

for Paul Schultze
114 133
SEARCH REQUEST FORM

Access DB# _____

Scientific and Technical Information Center

Requester's Full Name: Sabiha Ozy Examiner #: 74141 Date: 2/10/04
Art Unit: 1616.2 Phone Number 30-0622 Serial Number: 16070, 766
Mail Box and Bldg/Room Location: 4C70/1000 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Herbicideal composition
Inventors (please provide full names): Jutta Glock

Earliest Priority Filing Date: 371 of PCT/EP00/08661 9/5/2000

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search for the compd of formula (I)
and the combination with a safener of
formula (IIa).
Elected species is when all sub. are H
in formula (I) and mefenpyr-ethyl from
II a.

Please see attached sheets
Cl 7 is compds claim
Thank you

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Schultze</u>	NA Sequence (#) _____	STN <u>8460</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>4</u>	Questel/Orbit _____
Date Searcher Picked Up: <u>2/17</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>2/17</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>30</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>30</u>	Other _____	Other (specify) _____

FILE 'HCAPLUS' ENTERED AT 14:36:27 ON 17 FEB 2004
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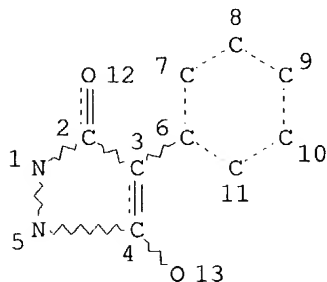
FILE COVERS 1907 - 17 Feb 2004 VOL 140 ISS 8
FILE LAST UPDATED: 16 Feb 2004 (20040216/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que 112

L3

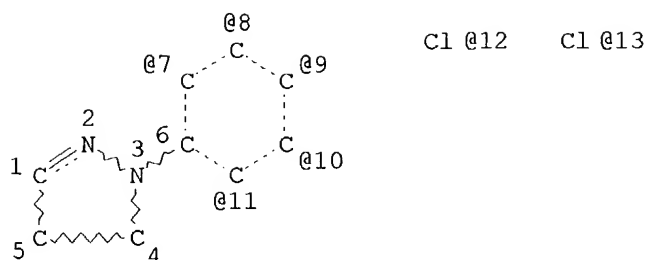
STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L5 610 SEA FILE=REGISTRY SSS FUL L3
L6 STR



VPA 12-7/8/9 U

VPA 13-11/10/9 U

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 13

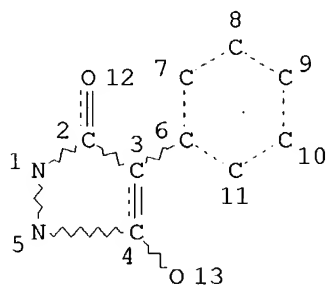
STEREO ATTRIBUTES: NONE

L8 18281 SEA FILE=REGISTRY SSS FUL L6

L12 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L8

=> d que 114

L3 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

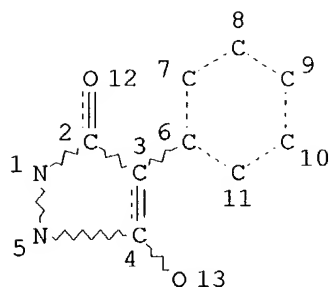
L5 610 SEA FILE=REGISTRY SSS FUL L3

L13 44060 SEA FILE=HCAPLUS ABB=ON PLU=ON HERBICIDES+PFT,NT/CT

L14 13 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L13

=> d que 115

L3 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

L5 610 SEA FILE=REGISTRY SSS FUL L3

L15 11 SEA FILE=HCAPLUS ABB=ON PLU=ON L5(L) (HERBIC? OR DEFOL?)

=> s l12 or l14 or l15

L19 15 L12 OR L14 OR L15

=> d l19 ibib ab hitind hitstr 1-15

L19 ANSWER 1 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:591187 HCAPLUS

DOCUMENT NUMBER: 139:149659

TITLE: Preparation of phenyl substituted heterocyclic compounds for use in herbicide compositions

INVENTOR(S): Friedmann, Adrian Alberto; Stoller, Andre; Wendeborn, Sebastian

PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003062244	A1	20030731	WO 2003-EP555	20030121
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,				

NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: CH 2002-119 A 20020122

OTHER SOURCE(S): MARPAT 139:149659

AB Heterocyclyl fatty acid esters, such as I [R = fatty acid acyl, such as lauroyl, palmitoyl, oleoyl or stearoyl], were prepd. for use as herbicides. Thus, 8-(2,6-diethyl-4-methylphenyl)tetrahydro-7H-pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione was reacted with lauroyl chloride using Et₃N in THF to form ester I (R = lauroyl). The prepd. esters were tested for herbicidal activity, as well as for phytotoxicity with respect to wheat, by application to pots of soil sown with monocotyledonous and dicotyledonous weeds and summer wheat.

IC ICM C07D498-04

CC 28-22 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5, 26

IT **Herbicides**

(selective; prepn. of fatty acid esters derivs. of 8-(2,6-diethyl-4-methylphenyl)tetrahydro-7H-pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione for use as herbicides)

IT 571166-78-4P 571166-79-5P 571166-80-8P
571166-81-9P 571166-82-0P 571166-83-1P
571166-84-2P 571166-86-4P 571166-87-5P
571166-88-6P 571166-89-7P

RL: ADV (Adverse effect, including toxicity); AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of fatty acid esters derivs. of 8-(2,6-diethyl-4-methylphenyl)tetrahydro-7H-pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione for use as **herbicides**)

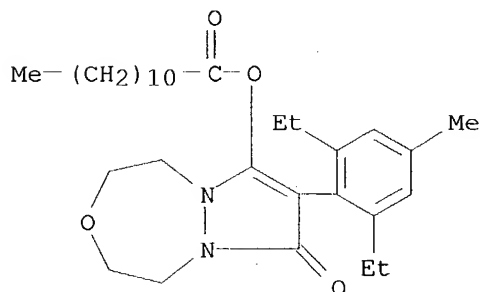
IT 571166-78-4P 571166-79-5P 571166-80-8P
571166-81-9P 571166-82-0P 571166-83-1P
571166-84-2P 571166-86-4P 571166-87-5P
571166-88-6P 571166-89-7P

RL: ADV (Adverse effect, including toxicity); AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of fatty acid esters derivs. of 8-(2,6-diethyl-4-methylphenyl)tetrahydro-7H-pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione for use as **herbicides**)

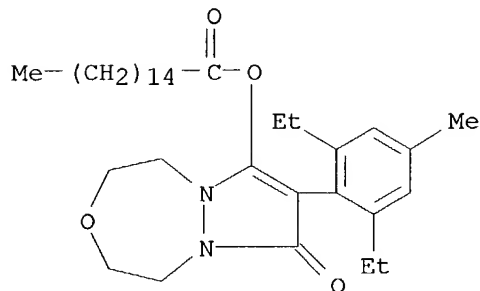
RN 571166-78-4 HCAPLUS

CN Dodecanoic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



RN 571166-79-5 HCAPLUS

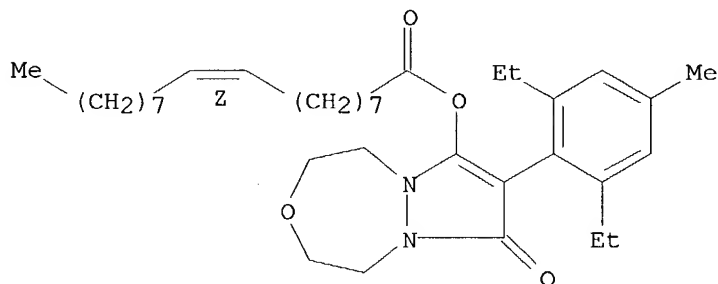
CN Hexadecanoic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



RN 571166-80-8 HCAPLUS

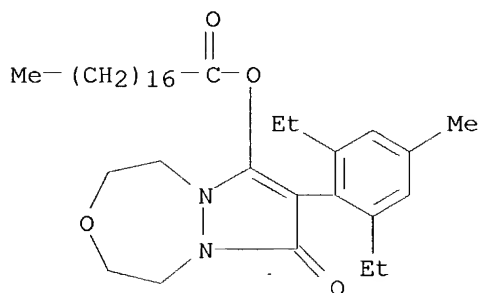
CN 9-Octadecenoic acid (9Z)-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 571166-81-9 HCAPLUS

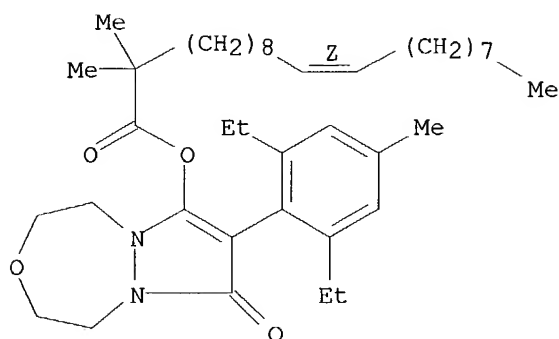
CN Octadecanoic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



RN 571166-82-0 HCAPLUS

CN 11-Eicosenoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, (11Z)- (9CI) (CA INDEX NAME)

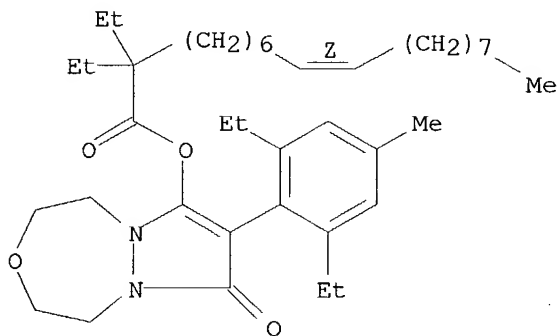
Double bond geometry as shown.



RN 571166-83-1 HCAPLUS

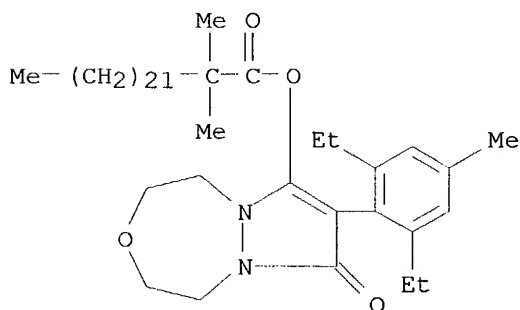
CN 9-Octadecenoic acid, 2,2-diethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, (9Z)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



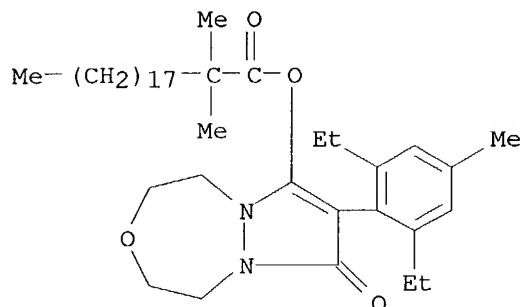
RN 571166-84-2 HCAPLUS

CN Tetracosanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



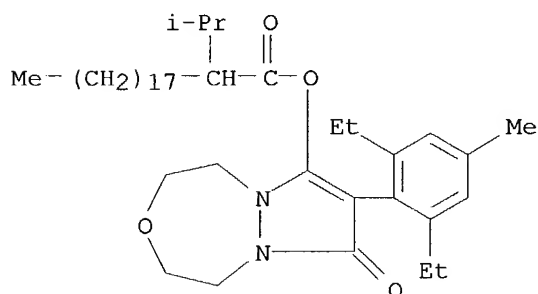
RN 571166-86-4 HCAPLUS

CN Eicosanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



RN 571166-87-5 HCAPLUS

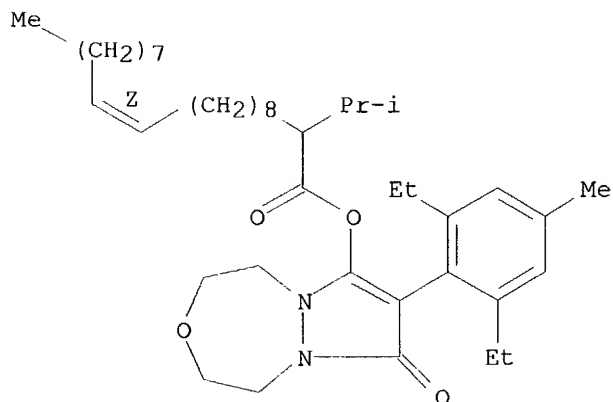
CN Eicosanoic acid, 2-(1-methylethyl)-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)

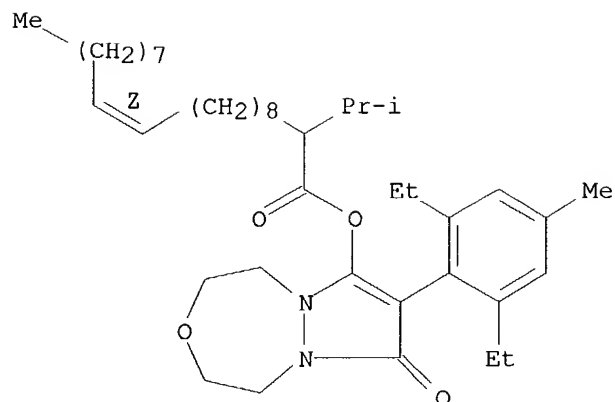


RN 571166-88-6 HCAPLUS

CN 11-Eicosenoic acid, 2-(1-methylethyl)-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, (11Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

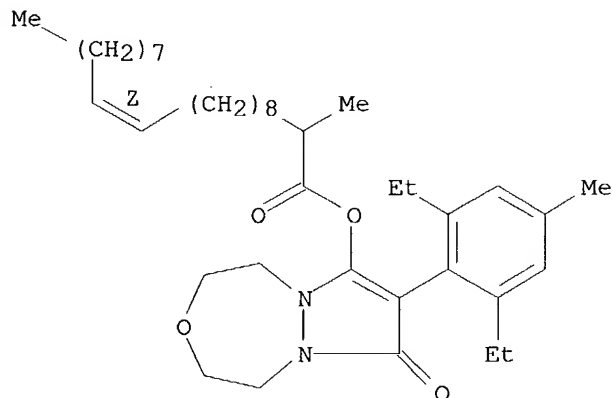




RN 571166-89-7 HCAPLUS

CN 11-Eicosenoic acid, 2-methyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, (11Z)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:221440 HCAPLUS

DOCUMENT NUMBER: 138:250184

TITLE: Adjuvants for pesticides comprising alkoxyated long-chain alcohols and acids

INVENTOR(S): Bell, Gordon Alastair; Hart, Clifford Arthur; Murfitt, Roger Cyril; Sutton, Peter Bernard

PATENT ASSIGNEE(S): Syngenta Limited, UK

SOURCE: PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003022048	A1	20030320	WO 2002-GB3906	20020823

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: GB 2001-21580 A 20010906

OTHER SOURCE(S): MARPAT 138:250184

AB Adjuvants suitable for use with lipophilic agrochems. comprise alkoxyated long-chain alcs. and acids and their end-capped ethers of the formula (I) $R_1-(CO)_m-O-[-R_2O-]_n-R_3$ ($R_1 = C_{16}-C_{20}$ (un)branched alkyl or alkenyl; $R_2 = Et$ or iso-Pr; $n = 8-30$; $m = 0$ or 1; and when $R_2 = Et$, $R_3 = C_1-C_7$ alkyl, and when $R_2 = iso-Pr$, $R_3 = H$ or C_1-C_7 alkyl, provided that when $R_1 = oleyl$, $R_2 = iso-Pr$ and $R_3 = H$, n is not 10). An adjuvant compn. comprising an agrochem. and an adjuvant of formula (I) is also claimed. Adjuvants of the invention show effective bioperformance enhancement despite having little or no surfactant properties.

IC ICM A01N025-00
ICS A01N025-30; A01N043-60; A01N025-14

CC 5-6 (Agrochemical Bioregulators)

IT Fungicides

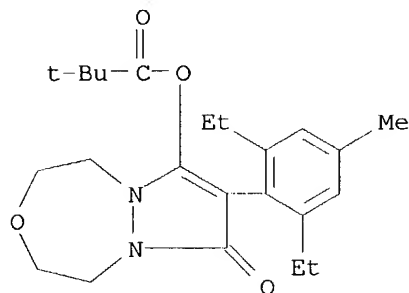
Herbicides
(adjuvants comprising alkoxyated long-chain alcs. and acids, for)

IT 79241-46-6 131860-33-8, Azoxystrobin **243973-20-8**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(adjuvants comprising alkoxyated long-chain alcs. and acids, for)

IT **243973-20-8**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(adjuvants comprising alkoxyated long-chain alcs. and acids, for)

RN 243973-20-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:855864 HCAPLUS

DOCUMENT NUMBER: 139:214344

TITLE: Product class 1: pyrazoles

AUTHOR(S): Stanovnik, B.; Svete, J.

CORPORATE SOURCE: Faculty of Chemistry and Chemical Technology, Division
of Organic Chemistry, Ljubljana, 61000, Slovenia

SOURCE: Science of Synthesis (2002), 12, 15-225

CODEN: SSCYJ9

PUBLISHER: Georg Thieme Verlag

DOCUMENT TYPE: Journal; General Review

LANGUAGE: English

AB A review. Methods for prepg. pyrazoles are reviewed including
cyclization, ring transformation, aromatization and substituent
modifications.

CC 28-0 (Heterocyclic Compounds (More Than One Hetero Atom))

IT	90145-20-3	90932-14-2	91075-65-9	91076-80-1	91076-82-3
	91157-97-0	91787-80-3	92922-20-8	93011-61-1	93259-79-1
	93618-28-1	94514-84-8	94775-16-3	94879-64-8	95006-27-2
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	100142-72-1	100159-47-5	100965-70-6	101459-94-3	101476-75-9
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	107165-84-4	107195-10-8	108161-18-8	108521-49-9	110821-29-9
	110860-60-1	111269-40-0	111480-44-5	111480-48-9	111888-23-4
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	246164-19-2	251940-02-0	251940-03-1	251940-04-2	343360-44-1
	343815-01-0	345254-14-0	351333-40-9	389136-24-7	391616-10-7
	408332-78-5	412300-23-3	412304-79-1	591234-69-4	591234-70-7
	591234-71-8	591234-72-9	591234-73-0	591234-74-1	591234-75-2
	591234-76-3	591234-77-4	591234-78-5	591234-79-6	591234-80-9

591234-81-0	591234-82-1	591234-83-2	591234-84-3	591234-85-4
591234-86-5	591234-87-6	591234-88-7	591234-89-8	591234-90-1
591234-92-3	591234-93-4	591234-94-5	591234-95-6	591234-96-7
591235-10-8	591235-14-2	591235-22-2	591235-25-5	591235-26-6
591235-28-8	591235-29-9	591235-30-2	591235-32-4	591235-33-5
591235-34-6	591235-35-7	591235-36-8	591235-37-9	591235-38-0
591235-39-1	591235-40-4	591235-41-5	591235-42-6	591235-43-7
591235-44-8	591235-45-9	591235-46-0	591235-47-1	591235-48-2
591235-49-3	591235-50-6	591235-51-7	591235-52-8	591235-53-9
591235-54-0	591235-55-1	591235-57-3	591235-58-4	591235-59-5

RL: RCT (Reactant); RACT (Reactant or reagent)

(review of prepn. of pyrazoles via cyclization, ring transformation, aromatization and substituent modifications)

IT	591235-60-8	591235-61-9	591235-62-0	591235-63-1	591235-64-2
	591235-65-3	591235-66-4	591235-67-5	591235-68-6	591235-71-1
	591235-72-2	591235-73-3	591235-74-4		

RL: RCT (Reactant); RACT (Reactant or reagent)

(review of prepn. of pyrazoles via cyclization, ring transformation, aromatization and substituent modifications)

IT	67-51-6P	89-25-8P	93-91-4P	137-44-0P	288-13-1P, 1H-Pyrazole
	623-38-1P	694-31-5P	694-48-4P	826-85-7P	879-62-9P 930-36-9P
	934-48-5P	942-32-5P	1016-41-7P	1072-91-9P	1080-89-3P 1125-28-6P
	1125-29-7P	1126-00-7P	1127-84-0P	1128-54-7P	1128-56-9P
	1131-16-4P	1131-18-6P	1134-50-5P	1137-11-7P	1137-66-2P
	1140-37-0P	1145-01-3P	1157-37-5P	1159-59-7P	1192-21-8P
	1210-43-1P	1437-14-5P	1453-58-3P	1493-47-6P	1572-10-7P
	1575-27-5P	1666-85-9P	1688-30-8P	1688-32-0P	1820-80-0P,
	1H-Pyrazol-3-amine	1904-31-0P	2045-99-0P	2075-46-9P	2183-27-9P
	2305-79-5P	2311-90-2P	2458-26-6P	2817-71-2P	2820-37-3P
	2820-38-4P	3181-98-4P	3182-01-2P	3182-03-4P	
	3198-98-9P	3318-61-4P	3347-62-4P	3463-30-7P	3524-13-8P
	3524-16-1P	3524-21-8P	3524-28-5P	3524-29-6P	3528-58-3P
	3656-02-8P	3656-03-9P	3656-04-0P	3729-90-6P	3920-50-1P,
	1H-Pyrazole-3-carboxaldehyde	3968-40-9P	3968-41-0P	3968-42-1P	
	3968-43-2P	3994-50-1P	4027-54-7P	4027-57-0P	4042-00-6P
	4054-67-5P	4149-06-8P	4345-49-7P	4394-26-7P	4492-01-7P
	4492-02-8P	4747-46-0P	4755-53-7P	4845-49-2P	5334-41-8P
	5334-43-0P	5346-53-2P	5346-61-2P	5356-71-8P	5363-42-8P
	5456-92-8P	5519-42-6P	5589-97-9P	5744-40-1P	5744-51-4P
	5745-84-6P	5775-82-6P	5775-86-0P	5932-27-4P	5932-28-5P
	5932-30-9P	6076-12-6P	6126-17-6P	6126-19-8P	6402-09-1P
	6632-05-9P	6670-06-0P	6670-10-6P	6670-11-7P	6715-94-2P
	6831-89-6P	6833-82-5P	6844-58-2P	7119-95-1P	7185-93-5P
	7188-75-2P	7188-89-8P	7188-93-4P	7188-94-5P	7189-00-6P
	7189-04-0P	7189-12-0P	7189-13-1P	7231-31-4P	7231-33-6P
	7369-20-2P	7409-21-4P	7409-26-9P	7409-27-0P	7539-22-2P
	7539-27-7P	7554-65-6P	7565-27-7P	7721-54-2P	10010-93-2P
	10199-51-6P	10199-60-7P	10199-63-0P	10199-64-1P	10199-67-4P
	10199-68-5P	10223-34-4P	10234-66-9P	10244-76-5P	10244-77-6P
	10250-62-1P	10252-51-4P	10252-53-6P	13024-90-3P	13051-47-3P
	13417-36-2P	13551-76-3P	13618-35-4P	13745-58-9P	13788-84-6P
	13788-97-1P	13789-06-5P	13806-92-3P	13806-93-4P	13806-94-5P
	13806-95-6P	13806-96-7P	13806-97-8P	13808-71-4P	13808-73-6P
	13892-46-1P	13953-92-9P	13953-93-0P	14230-56-9P	
	14269-08-0P	14269-09-1P	14298-11-4P	14339-33-4P	14521-80-3P
	14580-15-5P	14766-43-9P	14884-01-6P	14884-03-8P	15131-95-0P
	15366-34-4P	15397-33-8P	15568-29-3P	15802-80-9P	15802-97-8P

15878-00-9P 15878-08-7P 15878-44-1P 15953-45-4P 16037-45-9P
 16082-33-0P, 1H-Pyrazole-3,5-diamine 16102-04-8P 16105-46-7P
 16105-47-8P 16105-48-9P 16105-49-0P 16105-50-3P 16105-51-4P
 16105-56-9P 16112-35-9P 16151-06-7P 16209-01-1P 16675-35-7P
 16675-36-8P 16860-55-2P 16901-34-1P 17355-75-8P 17647-23-3P
 17822-39-8P 17822-40-1P 17822-41-2P 17822-42-3P 17822-43-4P
 17822-44-5P 17822-45-6P 17822-46-7P 17822-47-8P 17953-06-9P
 17953-46-7P 18076-30-7P 18093-95-3P 18632-87-6P 18712-48-6P
 18714-87-9P 18753-55-4P 18767-09-4P 18767-23-2P 18767-27-6P
 19311-79-6P 19395-19-8P 19551-66-7P, 1H-Pyrazole-3,4,5-tricarboxylic
 acid 19726-10-4P 19735-89-8P 19848-97-6P 19854-91-2P 19854-92-3P
 19867-62-0P

RL: SPN (Synthetic preparation); PREP (Preparation)

(review of prepn. of pyrazoles via cyclization, ring transformation,
 aromatization and substituent modifications)

IT 19933-22-3P 19933-24-5P 19968-19-5P 20154-03-4P 20583-31-7P
 21031-22-1P 21111-32-0P 21377-09-3P 21399-29-1P 21399-30-4P
 21673-02-9P 21673-05-2P 21686-05-5P 21742-96-1P 21985-07-9P
 22050-80-2P 22123-18-8P 22675-60-1P 23705-85-3P 24246-07-9P
 24284-28-4P 24602-40-2P 24602-42-4P 24652-31-1P 25113-25-1P
 25113-27-3P 25142-45-4P 25142-45-4P 25688-17-9P 25688-18-0P
 25699-83-6P 25699-97-2P 25699-98-3P 25832-25-1P 26429-26-5P
 26502-59-0P 27258-12-4P 27258-17-9P 27258-18-0P 27293-94-3P
 27301-45-7P 27412-71-1P 28077-35-2P 28469-29-6P 28710-59-0P
 28799-00-0P 28998-67-6P 29075-47-6P 29184-68-7P 29800-97-3P
 29800-99-5P 29938-67-8P 29938-70-3P 29938-71-4P 29938-72-5P
 29938-73-6P 29938-74-7P 29938-76-9P 29938-81-6P 29938-95-2P
 29938-96-3P 29939-12-6P 29939-13-7P 30020-55-4P 30093-77-7P
 30120-38-8P 30120-50-4P 30120-51-5P 30120-58-2P 30152-31-9P
 30152-32-0P 30301-20-3P 30595-50-7P **30707-68-7P**
 30859-61-1P 30885-23-5P 31037-02-2P 31056-45-8P 31163-83-4P
 31539-68-1P 32058-04-1P 32058-05-2P 32251-82-4P 32258-63-2P
 32664-22-5P 32664-24-7P 32664-28-1P 32682-87-4P 32682-89-6P
 32810-83-6P 33045-42-0P 33090-71-0P 34035-06-8P 34035-07-9P
 34035-08-0P 34765-45-2P 34804-17-6P 34810-67-8P 34985-88-1P
 35000-51-2P 35228-98-9P 35228-99-0P 35852-77-8P 36140-55-3P
 36140-80-4P 36140-83-7P 36140-84-8P 36140-85-9P 36595-90-1P
 36650-74-5P, 1H-Pyrazole-3-carbonitrile 37612-63-8P 37612-74-1P
 37612-75-2P 37622-86-9P 37622-90-5P 37881-06-4P 38371-97-0P
 38372-01-9P 38858-81-0P 38858-84-3P 38859-25-5P 38859-26-6P
 39205-64-6P 39513-08-1P 39513-09-2P 39683-24-4P 39683-26-6P
 39753-81-6P 40040-65-1P 40339-61-5P 40711-43-1P 40711-44-2P
 40711-94-2P 41443-37-2P 41443-38-3P 41528-85-2P 41554-99-8P
 41555-25-3P 42110-76-9P 42165-20-8P 42754-61-0P 42754-62-1P
 43155-07-3P 43222-48-6P 50561-83-6P 50561-87-0P 50603-96-8P
 50680-85-8P 50877-39-9P 51073-17-7P 51073-18-8P 51463-88-8P
 51516-67-7P 51516-68-8P 51658-34-5P 51658-35-6P 51658-36-7P
 52393-50-7P **52472-98-7P** 52566-42-4P 52944-76-0P
 52989-18-1P 53608-37-0P 53608-39-2P 53608-42-7P 53608-43-8P
 53608-45-0P 53666-92-5P 53685-84-0P 53960-85-3P 54045-29-3P
 54384-66-6P 54384-67-7P 54384-68-8P 54384-73-5P 54554-68-6P
 54606-21-2P 54679-59-3P 54711-20-5P 54711-21-6P 54799-83-6P
 54799-84-7P 55115-11-2P 55115-12-3P 55342-93-3P 55428-69-8P
 55428-71-2P 55752-63-1P 56054-50-3P 56054-54-7P 56445-47-7P
 56445-48-8P 56445-49-9P 56445-50-2P 56445-51-3P 56445-52-4P
 56864-72-3P 56864-74-5P 56984-32-8P 57097-81-1P 57179-54-1P
 57245-93-9P 57389-73-8P 57389-81-8P 57391-77-2P 57391-86-3P

57891-04-0P 58131-66-1P 58311-80-1P 58332-38-0P 58332-43-7P
 58365-15-4P 58365-16-5P 58536-76-8P 58589-70-1P 58789-61-0P
58791-78-9P 58791-79-0P 58791-82-5P
58791-83-6P 58791-84-7P 58829-75-7P 58829-76-8P
 58876-75-8P 58876-81-6P 58876-82-7P 58876-83-8P 58876-85-0P
 58876-86-1P 59166-14-2P 59334-11-1P 59541-46-7P 59548-24-2P
 59761-73-8P 59761-74-9P 59807-34-0P 59807-35-1P 59807-36-2P
 59967-95-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

(review of prepn. of pyrazoles via cyclization, ring transformation,
 aromatization and substituent modifications)

IT 60061-66-7P 60798-06-3P 60798-14-3P 61226-19-5P 61261-79-8P
 61261-80-1P 61261-88-9P 61490-97-9P 61490-98-0P 62538-27-6P
 62538-28-7P 62538-29-8P 62538-30-1P 62538-31-2P 62538-32-3P
 62625-79-0P 63195-03-9P 63195-04-0P 63195-05-1P 63195-08-4P
 63425-57-0P 63569-98-2P 63570-00-3P 63570-01-4P 63570-02-5P
 63570-03-6P 63570-05-8P 63570-06-9P 63570-07-0P 63570-08-1P
 63570-09-2P 63614-73-3P 63614-74-4P 63633-46-5P 63637-57-0P
 63637-58-1P 63637-59-2P 63759-63-7P 64123-72-4P 64623-66-1P
 64664-15-9P 65101-19-1P 65287-96-9P 65325-30-6P 65939-26-6P
 65942-77-0P 65942-79-2P 65942-89-4P 65942-91-8P 65973-69-5P
 66000-37-1P 66040-78-6P 66439-33-6P 67219-80-1P 67219-82-3P
 67219-86-7P 67219-87-8P 67381-91-3P 67714-67-4P 67714-70-9P
 67868-44-4P 68364-61-4P 68364-62-5P 68364-63-6P 68364-64-7P
 68364-80-7P 68364-81-8P 68364-82-9P 68719-56-2P 68719-58-4P
 68719-60-8P 68809-64-3P 68809-65-4P 69433-62-1P 69433-63-2P
 69433-64-3P 69433-65-4P 70453-56-4P 70453-57-5P 70453-58-6P
 70453-62-2P 70453-63-3P 70453-64-4P 70498-81-6P 70498-82-7P
 70498-83-8P 70498-84-9P 70498-85-0P 70498-86-1P 70498-87-2P
 70498-88-3P 70534-90-6P 70583-58-3P 70649-20-6P 71292-47-2P
 71296-95-2P 71955-41-4P 72130-81-5P 72130-82-6P 72130-83-7P
 72326-92-2P 72326-94-4P 72499-40-2P 72499-41-3P 72510-44-2P
 72760-85-1P 72943-67-0P 73151-81-2P 73225-13-5P 73227-93-7P
 73306-05-5P 73773-25-8P 74076-85-0P 74269-24-2P 75059-30-2P
 75436-36-1P 75436-37-2P 75436-38-3P 75507-64-1P 76112-12-4P
 76112-13-5P 76227-42-4P 76491-05-9P 76923-15-4P 76972-92-4P
 76972-93-5P 76972-94-6P 76972-95-7P 77435-38-2P 77779-69-2P
 78946-56-2P 79024-30-9P 79024-31-0P 79024-32-1P 79024-33-2P
 79024-34-3P 80030-92-8P 80418-33-3P 80527-66-8P 80527-67-9P
 80527-68-0P 81153-63-1P 81153-64-2P 81227-03-4P 81411-21-4P
 81963-70-4P 82231-59-2P 83959-41-5P 84095-94-3P 84095-95-4P
 84095-96-5P 84095-97-6P **84104-31-4P** 84491-16-7P
 84504-86-9P 84504-87-0P 84504-88-1P 84504-89-2P 84504-90-5P
 84504-91-6P 84831-56-1P 84831-57-2P 84831-58-3P 84831-59-4P
 85290-72-8P 85302-11-0P 85302-15-4P 85349-83-3P 85349-84-4P
 85349-85-5P 85349-86-6P 85349-87-7P 85485-59-2P 85485-62-7P
 86737-39-5P 86737-40-8P 87013-79-4P 87023-89-0P 87383-49-1P
 87576-95-2P 87576-96-3P 87576-97-4P 87576-98-5P 87576-99-6P
 87839-75-6P 87839-77-8P 88039-32-1P 88039-33-2P 88039-36-5P
 88039-37-6P 88393-88-8P, 1H-Pyrazole-1-propanenitrile 88398-85-0P
 88529-79-7P 88585-32-4P 88614-56-6P 89193-19-1P 89193-22-6P
 89283-36-3P 89399-91-7P 89532-43-4P, 1H-Pyrazole-1-propanal
 89791-67-3P 89793-95-3P 89943-03-3P 89943-28-2P 90002-54-3P
 90006-65-8P 90088-87-2P 90145-22-5P 90145-25-8P 90145-26-9P
 90145-29-2P 90145-30-5P 90564-80-0P 90565-46-1P 90565-82-5P
 90772-91-1P 90914-35-5P 90946-66-0P 90946-69-3P 90953-15-4P
 91093-96-8P 91094-03-0P 91354-00-6P 91394-44-4P 91635-02-8P

91724-93-5P 91768-59-1P 91783-88-9P 91843-77-5P 91958-98-4P
 92024-72-1P 92133-93-2P 92133-94-3P 92255-34-0P 92255-77-1P
 92406-43-4P 92867-97-5P 93045-24-0P 93330-77-9P

RL: SPN (Synthetic preparation); PREP (Preparation)

(review of prepn. of pyrazoles via cyclization, ring transformation,
 aromatization and substituent modifications)

IT 93331-00-1P 93608-11-8P 93702-99-9P 93703-00-5P 93703-01-6P
 93703-02-7P 93710-99-7P 93711-00-3P 94009-67-3P 94009-69-5P
 94209-24-2P 94427-97-1P 94514-94-0P 94532-59-9P 94575-24-3P
 94575-26-5P 94775-21-0P 94775-22-1P 94775-23-2P 94775-24-3P
 94775-25-4P 95347-97-0P 96440-80-1P 96472-29-6P 96688-90-3P
 96688-91-4P 96688-92-5P 96688-93-6P 96688-94-7P 97114-71-1P
 97421-13-1P 97674-44-7P 97820-72-9P 98024-65-8P 98027-52-2P
 98136-32-4P 98276-70-1P 98334-36-2P 98334-48-6P 98407-72-8P
 98407-73-9P 98411-87-1P 98411-88-2P 98411-89-3P 98411-90-6P
 98411-91-7P 98411-92-8P 98432-37-2P 98534-71-5P 98534-76-0P
 98534-81-7P 99472-34-1P **99662-11-0P** 100475-60-3P
100553-84-2P 100965-67-1P 101012-71-9P 101309-49-3P
 101309-61-9P 101309-62-0P 101309-63-1P **101309-64-2P**
101309-65-3P **101309-66-4P** 101309-67-5P 101309-68-6P
 101309-69-7P 101309-70-0P 101309-71-1P 101440-92-0P 101476-60-2P
 101476-61-3P 101476-62-4P 101476-63-5P 101476-64-6P 101476-65-7P
 101476-66-8P 101476-67-9P 101476-68-0P 101476-69-1P 101476-70-4P
 101476-71-5P 101476-72-6P 101476-73-7P 101476-74-8P 101793-21-9P
 102313-24-6P 102999-12-2P 103037-92-9P 103245-13-2P 103245-14-3P
 103245-15-4P 103245-16-5P 104097-14-5P 104411-89-4P 104893-77-8P
 104893-78-9P 105020-45-9P **106204-45-9P** **106367-54-8P**
 107259-76-7P 107419-25-0P 108352-44-9P 108352-45-0P 108444-21-9P
 108444-22-0P 108444-23-1P 108444-24-2P 108444-25-3P 108676-40-0P
 108676-40-0P 108718-60-1P 108718-61-2P 108718-62-3P 109013-20-9P
 109013-23-2P 109013-28-7P 109013-32-3P 109013-33-4P 109471-39-8P
 109508-37-4P 109547-60-6P 109547-61-7P 109547-62-8P 109567-56-8P
 109809-41-8P 109847-11-2P 110030-19-8P 110355-39-0P 110364-01-7P
 110515-16-7P 110821-38-0P 110821-39-1P 110821-40-4P 110821-41-5P
 110821-42-6P 110821-43-7P 111016-43-4P 111016-44-5P 111055-58-4P
 111055-59-5P 111055-60-8P 111055-61-9P 111055-62-0P 111078-94-5P
 111079-04-0P 111480-56-9P 111480-57-0P 111491-27-1P 111491-28-2P
 111491-29-3P 111491-30-6P 111491-31-7P 111493-52-8P 112055-34-2P
 112055-35-3P 112055-37-5P 112072-22-7P 112382-58-8P 112382-71-5P
 113060-94-9P 113100-53-1P 113513-27-2P 113513-30-7P 113513-32-9P
 113648-13-8P 113722-46-6P 114362-54-8P 114425-87-5P 114998-59-3P
 115315-94-1P 115315-95-2P 115581-12-9P 115581-14-1P 116436-00-1P
 116545-20-1P 116545-27-8P 116545-28-9P 116545-41-6P 116545-42-7P
 116545-48-3P 116545-49-4P 116545-58-5P 116545-62-1P 117007-83-7P
 117043-65-9P 117766-96-8P 117784-18-6P 117784-19-7P 117784-20-0P
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RL: SPN (Synthetic preparation); PREP (Preparation)

(review of prepn. of pyrazoles via cyclization, ring transformation,

aromatization and substituent modifications)					
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RL: SPN (Synthetic preparation); PREP (Preparation)					
(review of prepn. of pyrazoles via cyclization, ring transformation, aromatization and substituent modifications)					
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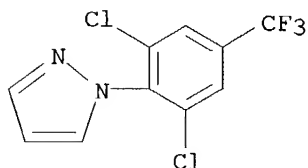
RL: SPN (Synthetic preparation); PREP (Preparation)
 (review of prepn. of pyrazoles via cyclization, ring transformation,
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IT **106204-56-2 591235-74-4**

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 (review of prepn. of pyrazoles via cyclization, ring transformation,
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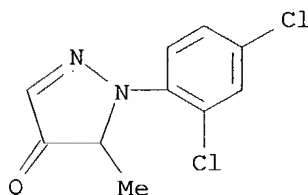
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CN 1H-Pyrazole, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 591235-74-4 HCAPLUS

CN 4H-Pyrazol-4-one, 1-(2,4-dichlorophenyl)-1,5-dihydro-5-methyl- (9CI) (CA INDEX NAME)

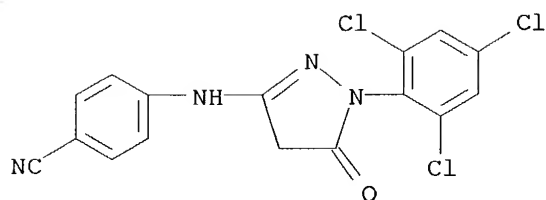


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RL: SPN (Synthetic preparation); PREP (Preparation)
 (review of prepn. of pyrazoles via cyclization, ring transformation,
 aromatization and substituent modifications)

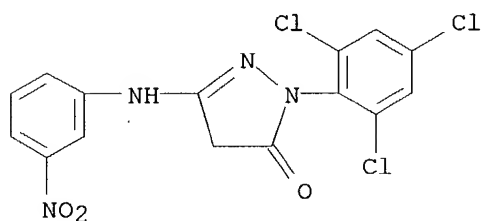
RN 3181-98-4 HCAPLUS

CN Benzonitrile, 4-[[4,5-dihydro-5-oxo-1-(2,4,6-trichlorophenyl)-1H-pyrazol-3-yl]amino]- (9CI) (CA INDEX NAME)



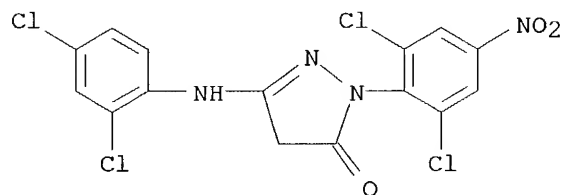
RN 3182-01-2 HCAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-[(3-nitrophenyl)amino]-2-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



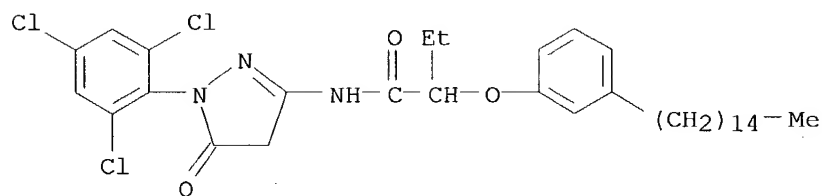
RN 3182-03-4 HCAPLUS

CN 3H-Pyrazol-3-one, 2-(2,6-dichloro-4-nitrophenyl)-5-[(2,4-dichlorophenyl)amino]-2,4-dihydro- (9CI) (CA INDEX NAME)



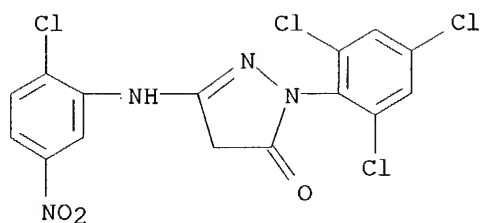
RN 14230-56-9 HCAPLUS

CN Butanamide, N-[4,5-dihydro-5-oxo-1-(2,4,6-trichlorophenyl)-1H-pyrazol-3-yl]-2-(3-pentadecylphenoxy)- (9CI) (CA INDEX NAME)

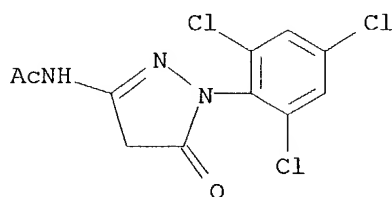


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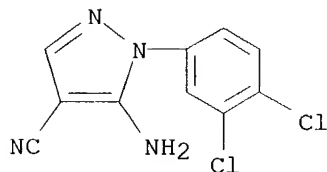
CN 3H-Pyrazol-3-one, 5-[(2-chloro-5-nitrophenyl)amino]-2,4-dihydro-2-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



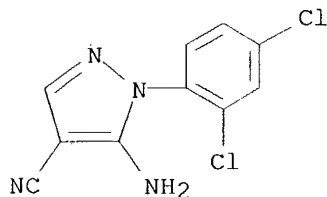
RN 52472-98-7 HCAPLUS

CN Acetamide, N-[4,5-dihydro-5-oxo-1-(2,4,6-trichlorophenyl)-1H-pyrazol-3-yl]-
(9CI) (CA INDEX NAME)

RN 58791-78-9 HCAPLUS

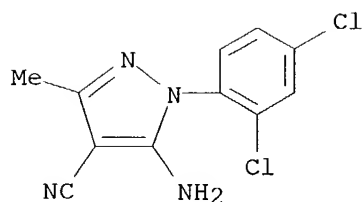
CN 1H-Pyrazole-4-carbonitrile, 5-amino-1-(3,4-dichlorophenyl)- (9CI) (CA
INDEX NAME)

RN 58791-79-0 HCAPLUS

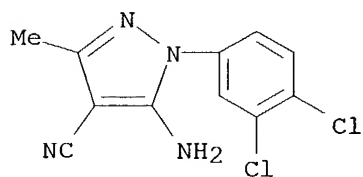
CN 1H-Pyrazole-4-carbonitrile, 5-amino-1-(2,4-dichlorophenyl)- (9CI) (CA
INDEX NAME)

RN 58791-83-6 HCAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-amino-1-(2,4-dichlorophenyl)-3-methyl- (9CI)
(CA INDEX NAME)

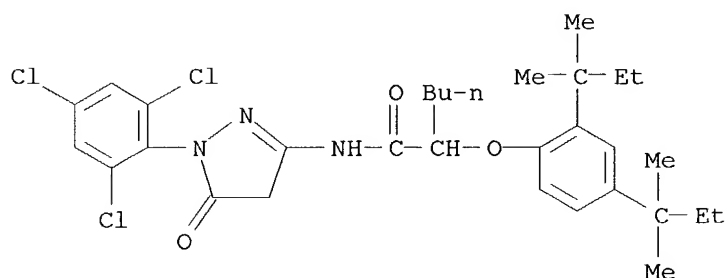


RN 58791-84-7 HCAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-amino-1-(3,4-dichlorophenyl)-3-methyl- (9CI)
(CA INDEX NAME)

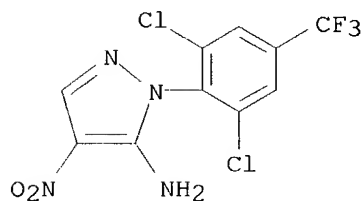
RN 84104-31-4 HCAPLUS

CN Hexanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[4,5-dihydro-5-oxo-1-(2,4,6-trichlorophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



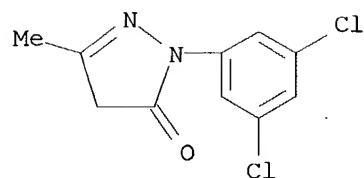
RN 99662-11-0 HCAPLUS

CN 1H-Pyrazol-5-amine, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-nitro- (9CI) (CA INDEX NAME)

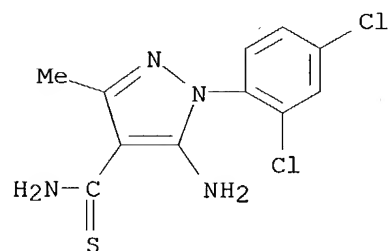


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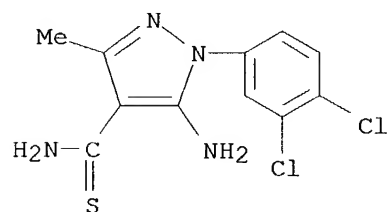
CN 3H-Pyrazol-3-one, 2-(3,5-dichlorophenyl)-2,4-dihydro-5-methyl- (9CI) (CA INDEX NAME)



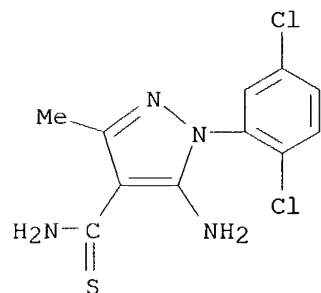
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CN 1H-Pyrazole-4-carbothioamide, 5-amino-1-(2,4-dichlorophenyl)-3-methyl-
(9CI) (CA INDEX NAME)

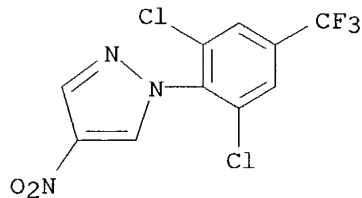
RN 101309-65-3 HCAPLUS

CN 1H-Pyrazole-4-carbothioamide, 5-amino-1-(3,4-dichlorophenyl)-3-methyl-
(9CI) (CA INDEX NAME)

RN 101309-66-4 HCAPLUS

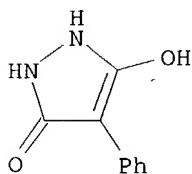
CN 1H-Pyrazole-4-carbothioamide, 5-amino-1-(2,5-dichlorophenyl)-3-methyl-
(9CI) (CA INDEX NAME)

RN 106204-45-9 HCAPLUS

CN 1H-Pyrazole, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-nitro- (9CI)
(CA INDEX NAME)

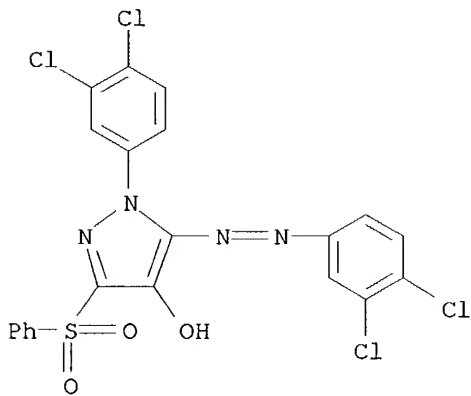
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CN 3H-Pyrazol-3-one, 1,2-dihydro-5-hydroxy-4-phenyl- (9CI) (CA INDEX NAME)



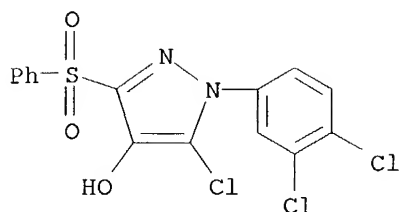
RN 119293-30-0 HCAPLUS

CN 1H-Pyrazol-4-ol, 1-(3,4-dichlorophenyl)-5-[(3,4-dichlorophenyl)azo]-3-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



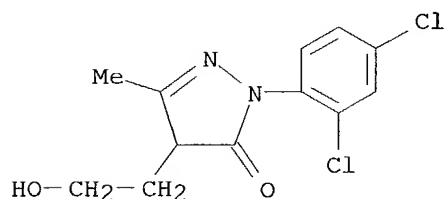
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CN 1H-Pyrazol-4-ol, 5-chloro-1-(3,4-dichlorophenyl)-3-(phenylsulfonyl)- (9CI)
(CA INDEX NAME)



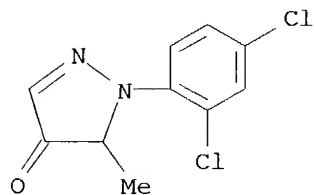
RN 591234-40-1 HCAPLUS

CN 3H-Pyrazol-3-one, 2-(2,4-dichlorophenyl)-2,4-dihydro-4-(2-hydroxyethyl)-5-methyl- (9CI) (CA INDEX NAME)



RN 591234-63-8 HCAPLUS

CN 4H-Pyrazol-4-one, 1-(2,4-dichlorophenyl)-1,5-dihydro-5-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

REFERENCE COUNT: 909 THERE ARE 909 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 4 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:185731 HCAPLUS

DOCUMENT NUMBER: 134:222711

TITLE: Preparation of 3-alkoxy-5-oxo-4-phenylpyrazolines as herbicides

INVENTOR(S): Maetzke, Thomas; Wendeborn, Sebastian; Stoller, Andre

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 76 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001017973	A2	20010315	WO 2000-EP8657	20000905
WO 2001017973	A3	20010510		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG EP 1230245 A2 20020814 EP 2000-964108 20000905 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL PRIORITY APPLN. INFO.: CH 1999-1644 A 19990907 WO 2000-EP8657 W 20000905 OTHER SOURCE(S): MARPAT 134:222711 AB Title compds. [I; R1, R3 = H, halo, NO2, amino, cyano, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, alkoxy, PhCH2, etc.; R2 = (substituted) Ph, naphthyl, heteroaryl; R4, R5 = H, alkyl, haloalkyl, hydroxyalkyl, alkenyl, alkynyl, alkoxyalkyl, alkyl, alkylthioalkyl, cycloalkyl, halocycloalkyl, Ph, etc.; R4R5 = atoms to form a (substituted) 5-8 membered ring; G = H, CX1R30, CX2X3R31, SO2R34, alkali metal, alk. earth metal, sulfonium, ammonium, etc.; X1, X2, X3 = O, S; R30, R31, R34 = H, (substituted) alkyl, cycloalkyl, etc.], were prepd. Thus, di-Me (4-bromo-2,6-dimethylphenyl)malonate (prepn. from 4-bromo-2,6-dimethylaniline given), hexahydro-1,4,5-oxadiazepine (prepn. given), and Et3N were heated 4 h at 140.degree. in xylene to give intermediate I (R1, R3 = Me; R2 = Br; G = H; R4R5 = CH2CH2OCH2CH2). II was converted in several steps to title compd. I (R1, R3 = Me; R2 = Ph; G = COCMe3; R4R5 = CH2CH2OCH2CH2). Several I at 500 ppm postemergent gave 70-100% control of Avena, Lolium, Setaria, and Sinapis. IC ICM C07D231-00 CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom)) Section cross-reference(s): 5 IT Herbicides (prepn. of alkoxyphenyloxopyrazolines as herbicides) IT 314020-51-4P 329704-60-1P 329704-62-3P 329704-64-5P 329704-66-7P 329704-68-9P 329704-70-3P 329704-72-5P 329704-74-7P 329704-76-9P 329704-78-1P 329704-80-5P 329704-82-7P 329704-84-9P 329704-86-1P 329704-88-3P 329704-90-7P 329704-92-9P 329704-94-1P 329704-96-3P 329704-98-5P 329705-00-2P 329705-02-4P 329705-04-6P 329705-06-8P 329705-08-0P 329705-10-4P 329705-12-6P 329705-14-8P 329705-17-1P 329705-19-3P 329705-20-6P 329705-22-8P 329705-24-0P 329705-26-2P 329705-28-4P 329705-30-8P 329705-32-0P 329705-34-2P 329705-36-4P 329705-38-6P 329705-40-0P 329705-43-3P 329705-44-4P 329705-46-6P				

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RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of alkoxyphenyloxopyrazolines as **herbicides**)

IT 186748-52-7P 186748-57-2P 186748-66-3P 204706-70-7P 329704-14-5P
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RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

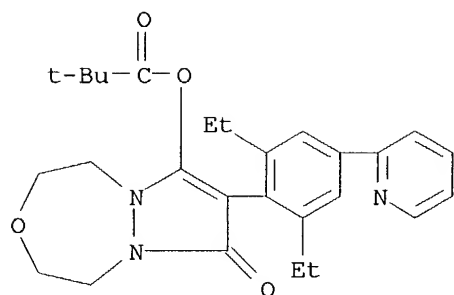
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RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of alkoxyphenyloxopyrazolines as **herbicides**)

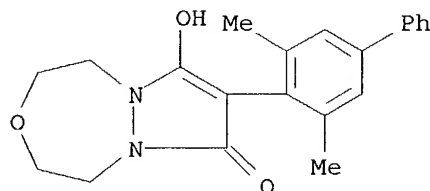
RN 314020-51-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2,6-diethyl-4-(2-pyridinyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



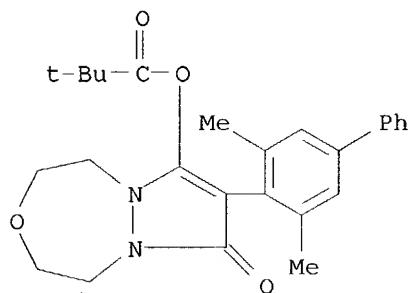
RN 329704-60-1 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



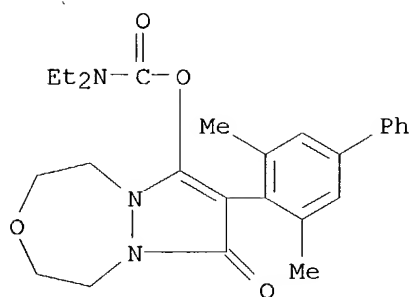
RN 329704-62-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



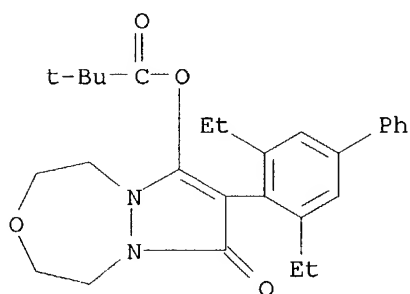
RN 329704-64-5 HCAPLUS

CN Carbamic acid, diethyl-, 8-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



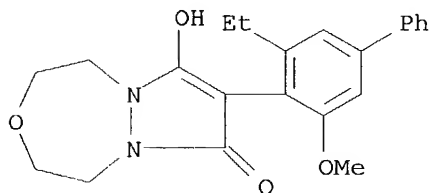
RN 329704-66-7 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(3,5-diethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



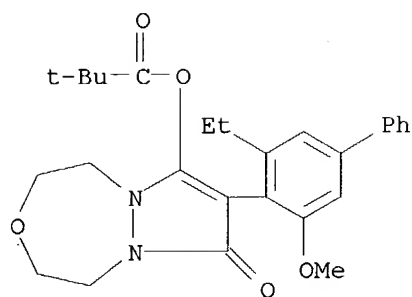
RN 329704-68-9 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



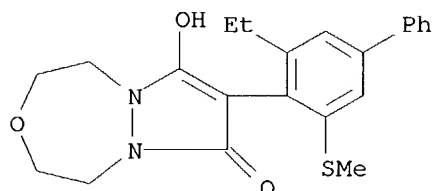
RN 329704-70-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



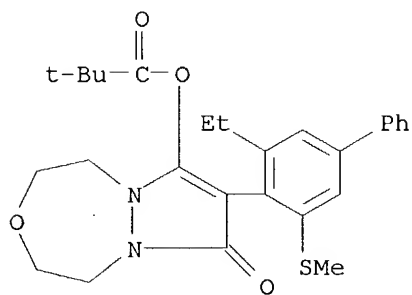
RN 329704-72-5 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[3-ethyl-5-(methylthio)[1,1'-biphenyl]-4-yl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



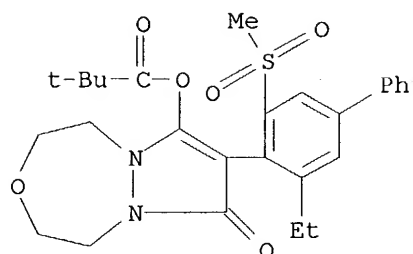
RN 329704-74-7 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[3-ethyl-5-(methylthio)[1,1'-biphenyl]-4-yl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



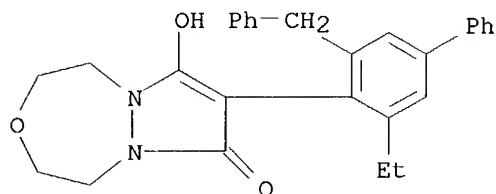
RN 329704-76-9 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[3-ethyl-5-(methylsulfonyl)[1,1'-biphenyl]-4-yl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



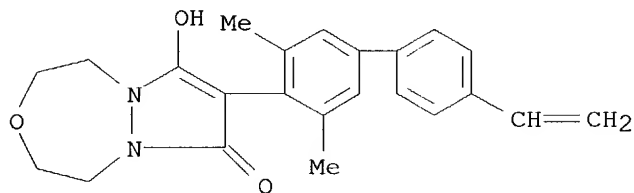
RN 329704-78-1 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[3-ethyl-5-(phenylmethyl)[1,1'-biphenyl]-4-yl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI)
(CA INDEX NAME)



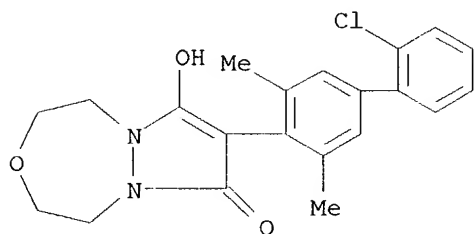
RN 329704-80-5 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(4'-ethenyl-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



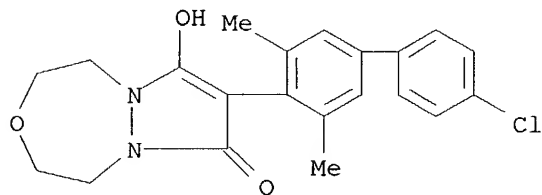
RN 329704-82-7 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



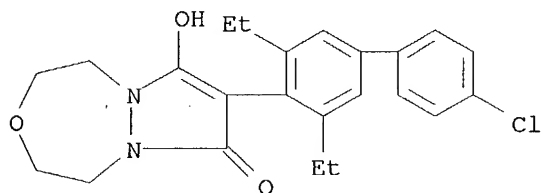
RN 329704-84-9 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(4'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



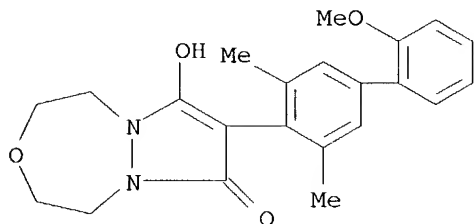
RN 329704-86-1 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(4'-chloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



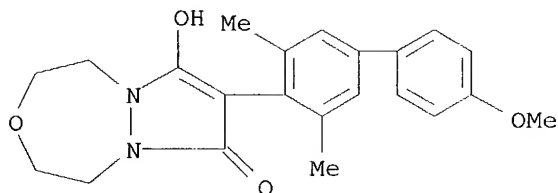
RN 329704-88-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 1,2,4,5-tetrahydro-9-hydroxy-8-(2'-methoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)- (9CI) (CA INDEX NAME)



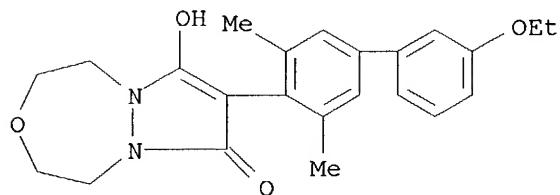
RN 329704-90-7 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 1,2,4,5-tetrahydro-9-hydroxy-8-(4'-methoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)- (9CI) (CA INDEX NAME)



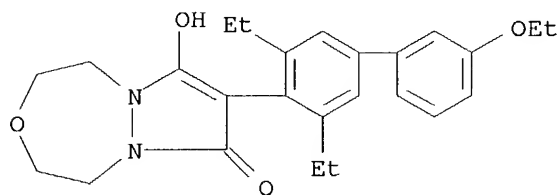
RN 329704-92-9 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(3'-ethoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



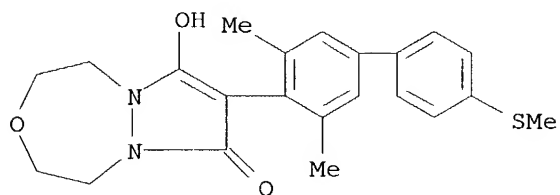
RN 329704-94-1 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(3'-ethoxy-3,5-diethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



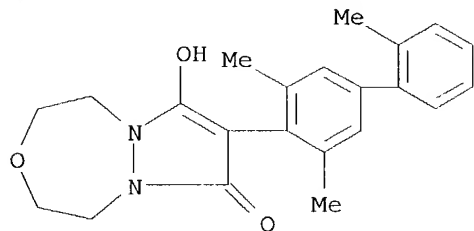
RN 329704-96-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[3,5-dimethyl-4'-(methylthio)[1,1'-biphenyl]-4-yl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



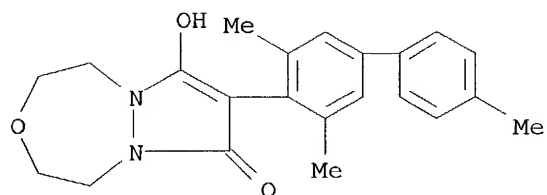
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 1,2,4,5-tetrahydro-9-hydroxy-8-(2',3,5-trimethyl[1,1'-biphenyl]-4-yl)- (9CI) (CA INDEX NAME)



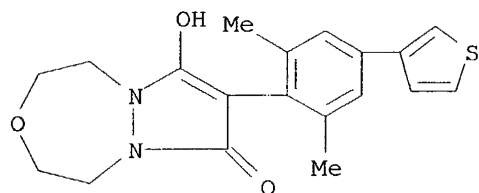
RN 329705-00-2 HCAPLUS

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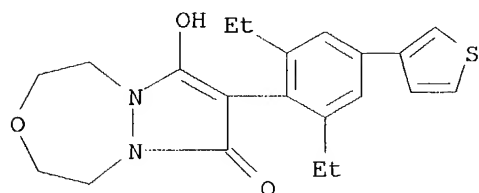
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,6-dimethyl-4-(3-thienyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



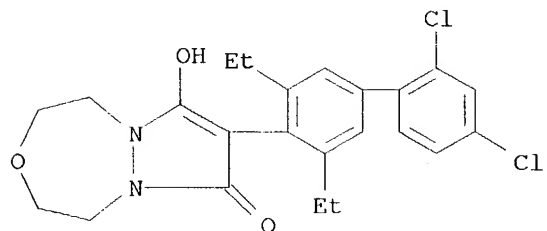
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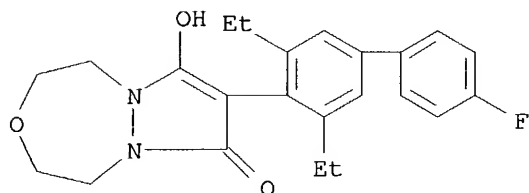
RN 329705-06-8 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2',4'-dichloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



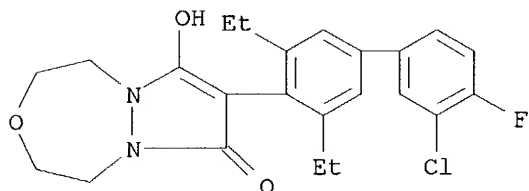
RN 329705-08-0 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(3,5-diethyl-4'-fluoro[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



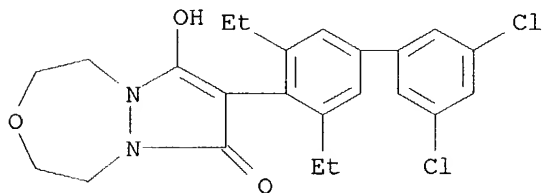
RN 329705-10-4 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(3'-chloro-3,5-diethyl-4'-fluoro[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



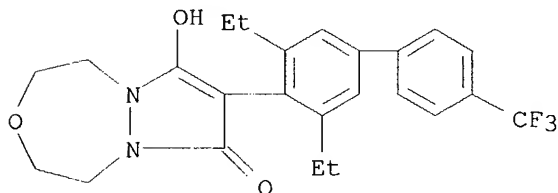
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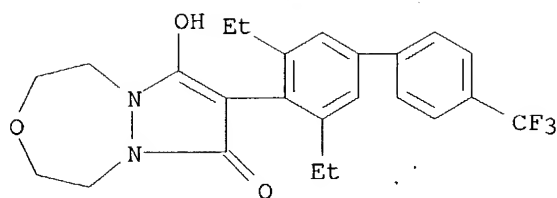
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(3',5'-dichloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



RN 329705-14-8 HCAPLUS

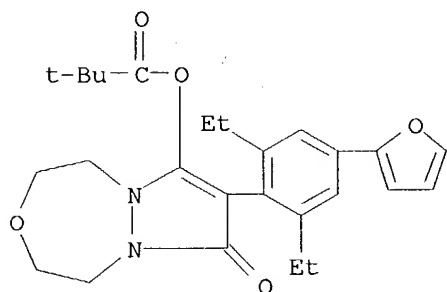
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[3,5-diethyl-4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)





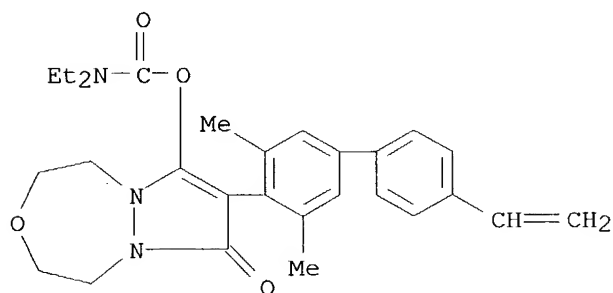
RN 329705-17-1 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2,6-diethyl-4-(2-furanyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



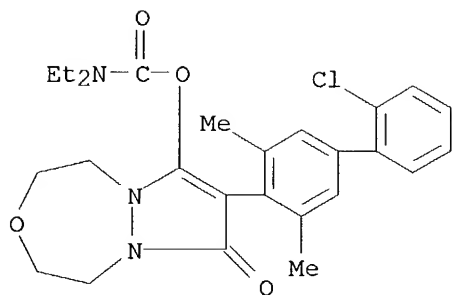
RN 329705-19-3 HCAPLUS

CN Carbamic acid, diethyl-, 8-(4'-ethenyl-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



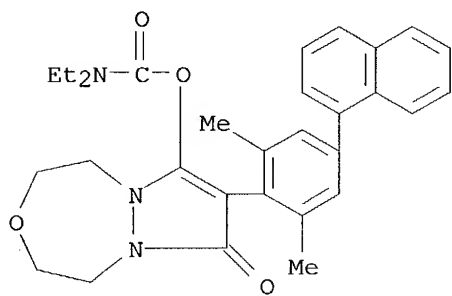
RN 329705-20-6 HCAPLUS

CN Carbamic acid, diethyl-, 8-(2'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



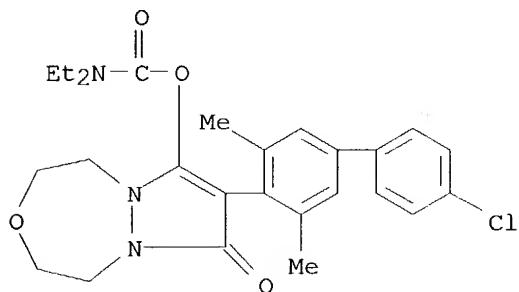
RN 329705-22-8 HCAPLUS

CN Carbamic acid, diethyl-, 8-[2,6-dimethyl-4-(1-naphthalenyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



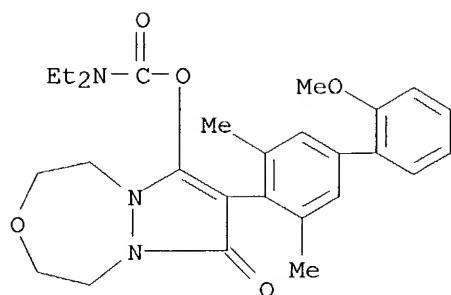
RN 329705-24-0 HCAPLUS

CN Carbamic acid, diethyl-, 8-(4'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



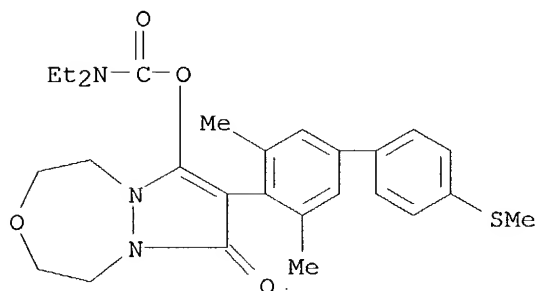
RN 329705-26-2 HCAPLUS

CN Carbamic acid, diethyl-, 1,2,4,5-tetrahydro-8-(2'-methoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



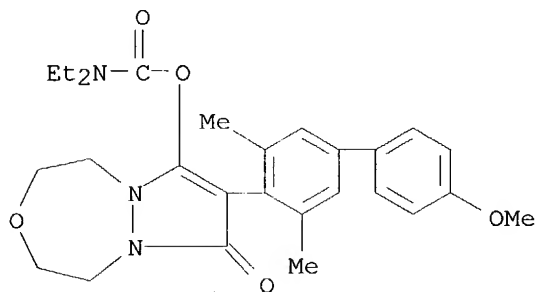
RN 329705-28-4 HCAPLUS

CN Carbamic acid, diethyl-, 8-[3,5-dimethyl-4'-(methylthio)[1,1'-biphenyl]-4-yl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



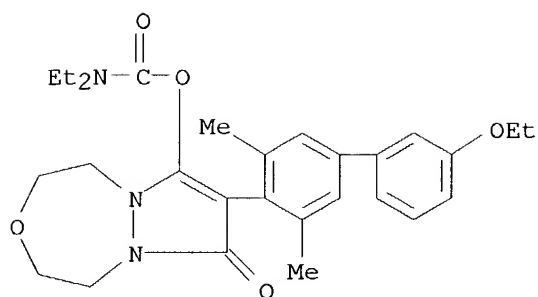
RN 329705-30-8 HCAPLUS

CN Carbamic acid, diethyl-, 1,2,4,5-tetrahydro-8-(4'-methoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



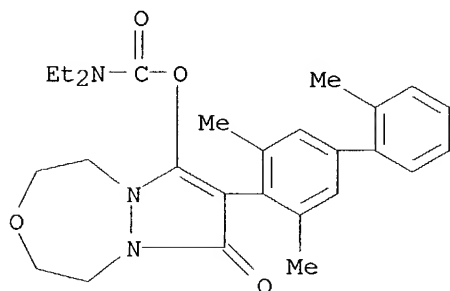
RN 329705-32-0 HCAPLUS

CN Carbamic acid, diethyl-, 8-(3'-methoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



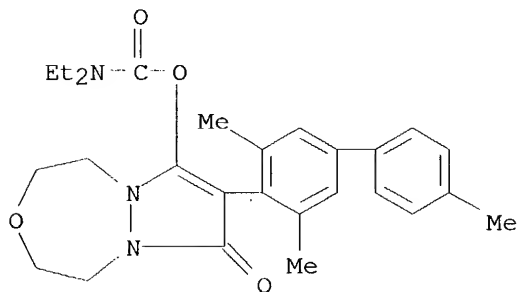
RN 329705-34-2 HCAPLUS

CN Carbamic acid, diethyl-, 1,2,4,5-tetrahydro-7-oxo-8-(2',3,5-trimethyl[1,1'-biphenyl]-4-yl)-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



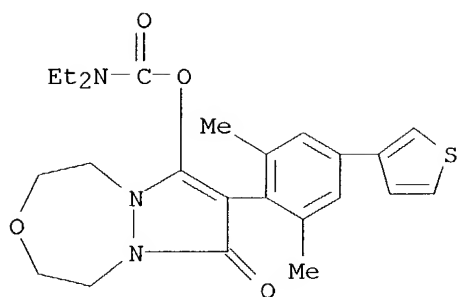
RN 329705-36-4 HCAPLUS

CN Carbamic acid, diethyl-, 1,2,4,5-tetrahydro-7-oxo-8-(3,4',5-trimethyl[1,1'-biphenyl]-4-yl)-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



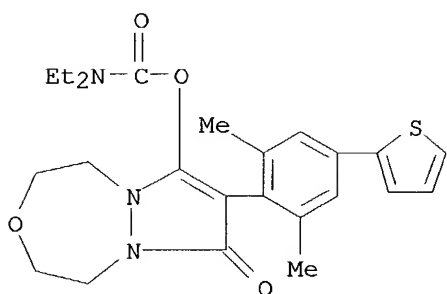
RN 329705-38-6 HCAPLUS

CN Carbamic acid, diethyl-, 8-[2,6-dimethyl-4-(3-thienyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



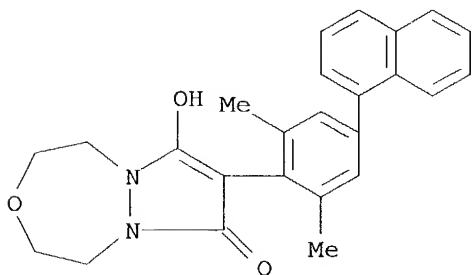
RN 329705-40-0 HCAPLUS

CN Carbamic acid, diethyl-, 8-[2,6-dimethyl-4-(2-thienyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



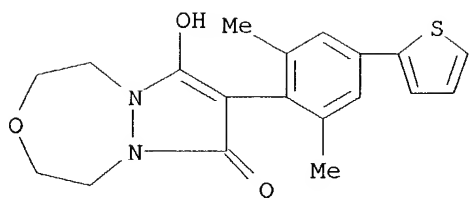
RN 329705-43-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,6-dimethyl-4-(1-naphthalenyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



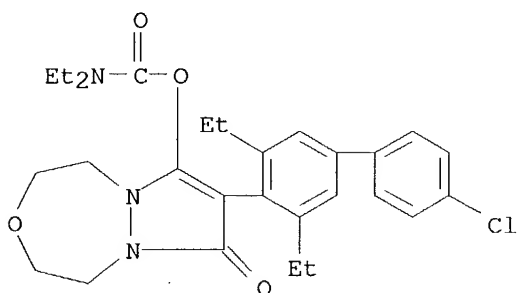
RN 329705-44-4 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,6-dimethyl-4-(2-thienyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



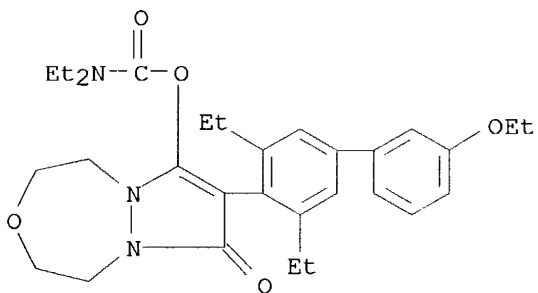
RN 329705-46-6 HCAPLUS

CN Carbamic acid, diethyl-, 8-(4'-chloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



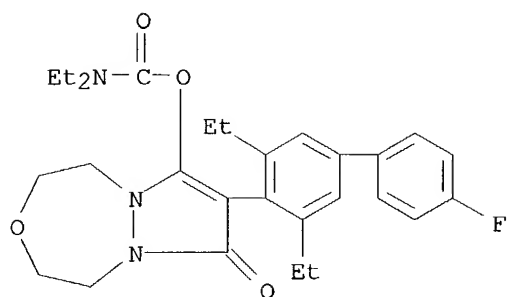
RN 329705-48-8 HCAPLUS

CN Carbamic acid, diethyl-, 8-(3'-ethoxy-3,5-diethyl[1,1'-biphenyl]-4-yl)-
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(9CI) (CA INDEX NAME)



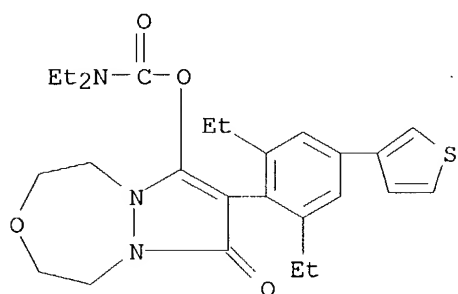
RN 329705-50-2 HCAPLUS

CN Carbamic acid, diethyl-, 8-(3,5-diethyl-4'-fluoro[1,1'-biphenyl]-4-yl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



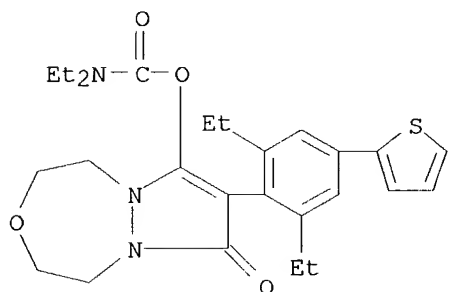
RN 329705-52-4 HCAPLUS

CN Carbamic acid, diethyl-, 8-[2,6-diethyl-4-(3-thienyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



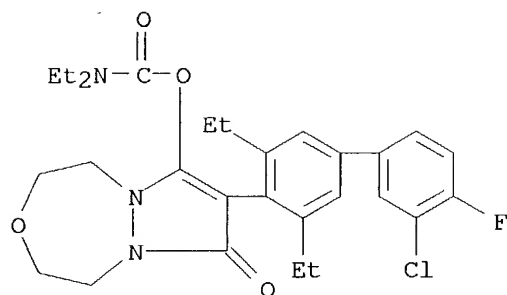
RN 329705-54-6 HCAPLUS

CN Carbamic acid, diethyl-, 8-[2,6-diethyl-4-(2-thienyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



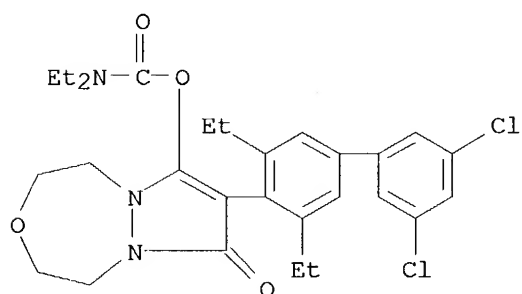
RN 329705-56-8 HCAPLUS

CN Carbamic acid, diethyl-, 8-(3'-chloro-3,5-diethyl-4'-fluoro[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



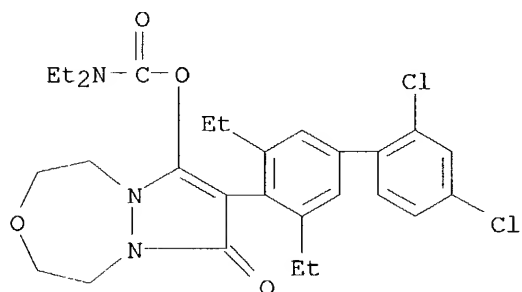
RN 329705-58-0 HCAPLUS

CN Carbamic acid, diethyl-, 8-(3',5'-dichloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



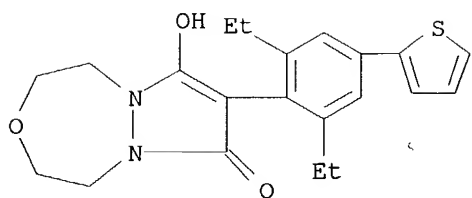
RN 329705-60-4 HCAPLUS

CN Carbamic acid, diethyl-, 8-(2',4'-dichloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



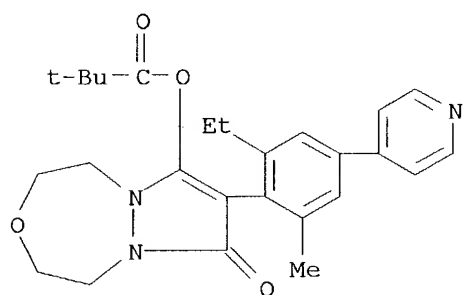
RN 329705-62-6 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,6-diethyl-4-(2-thienyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



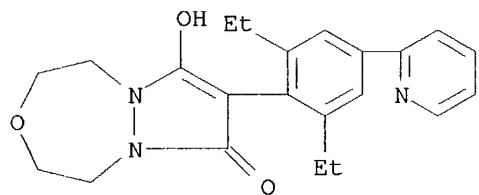
RN 329705-64-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2-ethyl-6-methyl-4-(4-pyridinyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



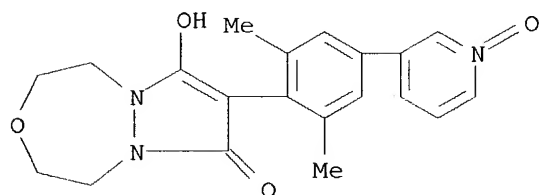
RN 329705-67-1 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,6-diethyl-4-(2-pyridinyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



RN 329705-69-3 HCAPLUS

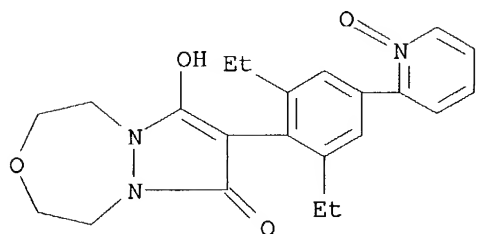
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,6-dimethyl-4-(1-oxido-3-pyridinyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



RN 329705-71-7 HCAPLUS

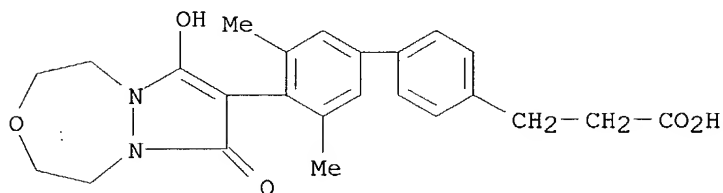
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,6-diethyl-4-(1-oxido-2-

pyridinyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



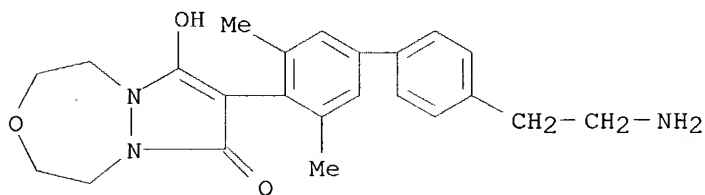
RN 329705-73-9 HCAPLUS

CN [1,1'-Biphenyl]-4-propanoic acid, 3',5'-dimethyl-4'-(1,2,4,5-tetrahydro-9-hydroxy-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-8-yl)- (9CI) (CA INDEX NAME)



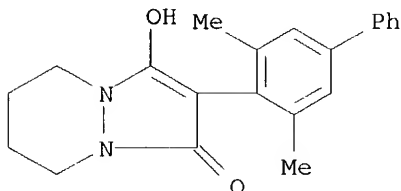
RN 329705-75-1 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[4'-(2-aminoethyl)-3,5-dimethyl[1,1'-biphenyl]-4-yl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



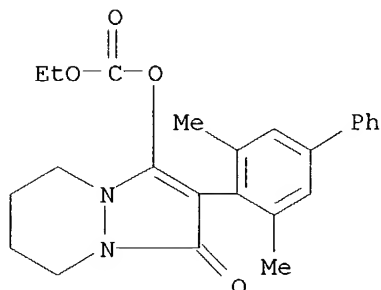
RN 329705-77-3 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



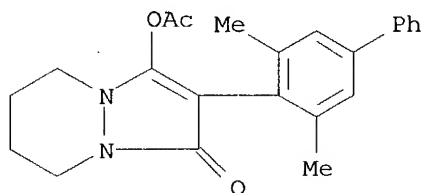
RN 329705-79-5 HCAPLUS

CN Carbonic acid, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ethyl ester (9CI) (CA INDEX NAME)



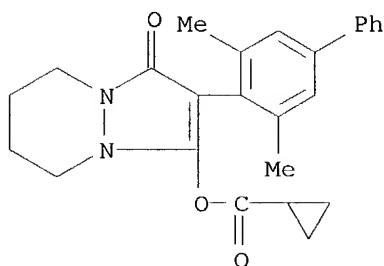
RN 329705-80-8 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 3-(acetyloxy)-2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro- (9CI) (CA INDEX NAME)



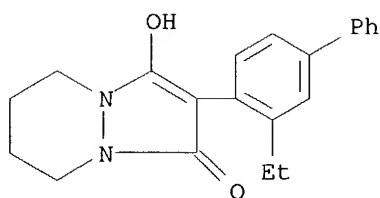
RN 329705-82-0 HCAPLUS

CN Cyclopropanecarboxylic acid, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



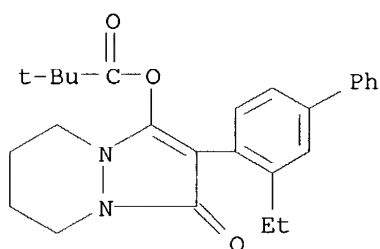
RN 329705-84-2 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3-ethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



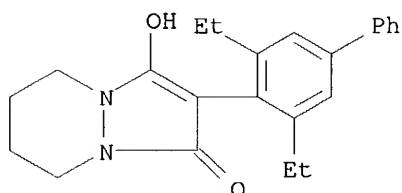
RN 329705-86-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(3-ethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



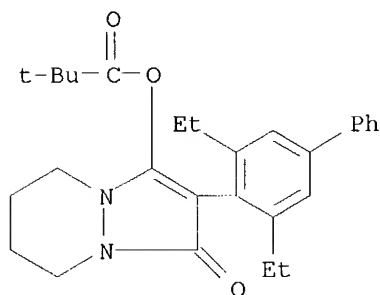
RN 329705-88-6 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3,5-diethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



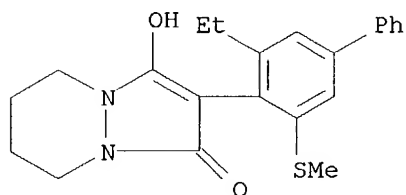
RN 329705-90-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(3,5-diethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



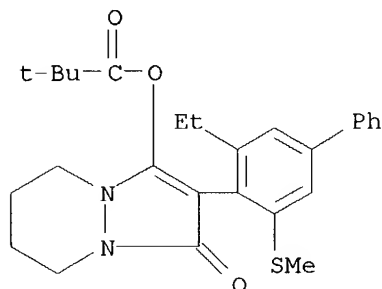
RN 329705-92-2 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[3-ethyl-5-(methylthio)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



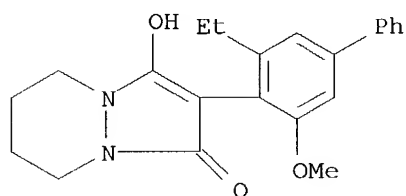
RN 329705-94-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-[3-ethyl-5-(methylthio)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



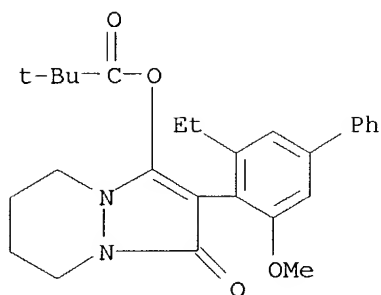
RN 329705-96-6 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



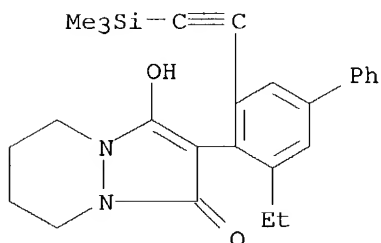
RN 329705-98-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



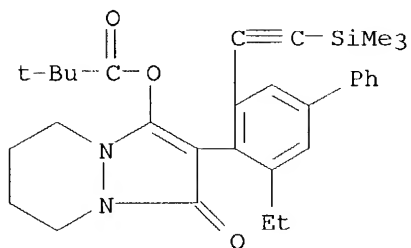
RN 329706-00-5 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[3-ethyl-5-
[(trimethylsilyl)ethynyl][1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-3-
hydroxy- (9CI) (CA INDEX NAME)



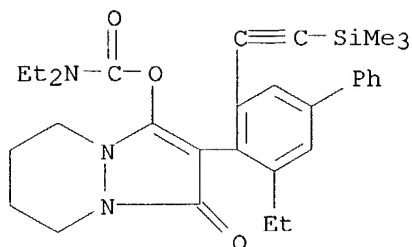
RN 329706-02-7 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-[3-ethyl-5-[(trimethylsilyl)ethynyl][1,1'-
biphenyl]-4-yl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl
ester (9CI) (CA INDEX NAME)



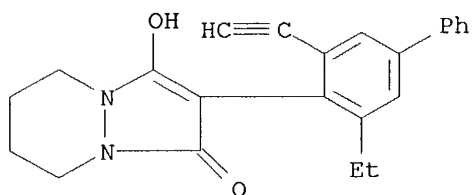
RN 329706-04-9 HCAPLUS

CN Carbamic acid, diethyl-, 2-[3-ethyl-5-[(trimethylsilyl)ethynyl][1,1'-
biphenyl]-4-yl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl
ester (9CI) (CA INDEX NAME)



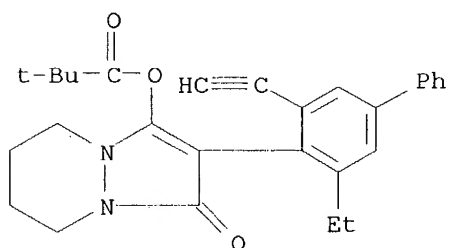
RN 329706-06-1 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3-ethyl-5-ethynyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



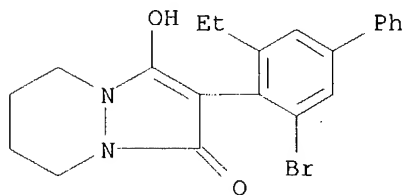
RN 329706-08-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(3-ethyl-5-ethynyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



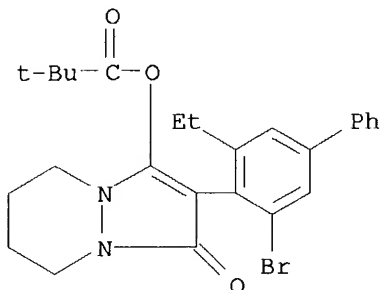
RN 329706-09-4 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3-bromo-5-ethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



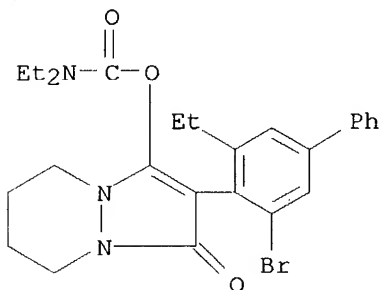
RN 329706-11-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(3-bromo-5-ethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



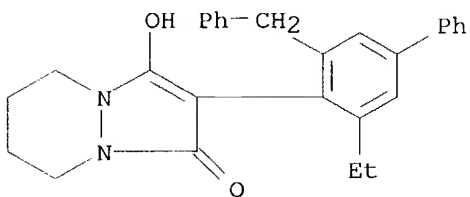
RN 329706-13-0 HCAPLUS

CN Carbamic acid, diethyl-, 2-(3-bromo-5-ethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



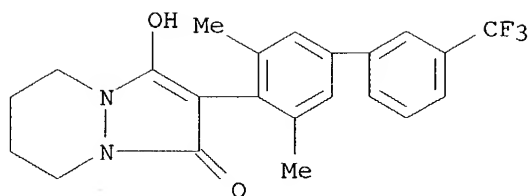
RN 329706-15-2 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[3-ethyl-5-(phenylmethyl)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



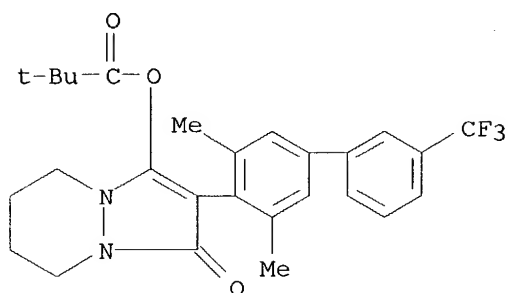
RN 329706-17-4 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[3,5-dimethyl-3'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



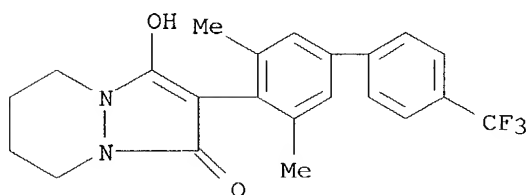
RN 329706-19-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-[3,5-dimethyl-3'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



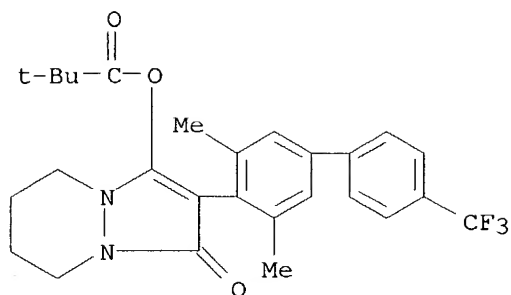
RN 329706-21-0 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[3,5-dimethyl-4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



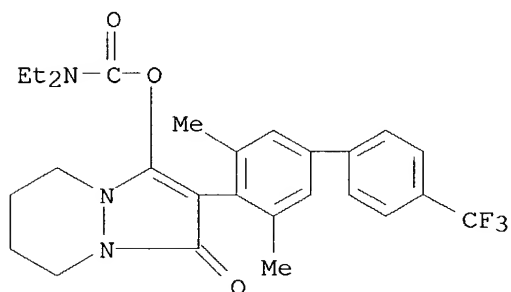
RN 329706-23-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-[3,5-dimethyl-4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



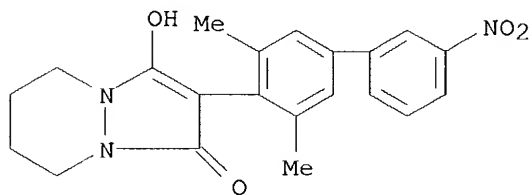
RN 329706-25-4 HCAPLUS

CN Carbamic acid, diethyl-, 2-[3,5-dimethyl-4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



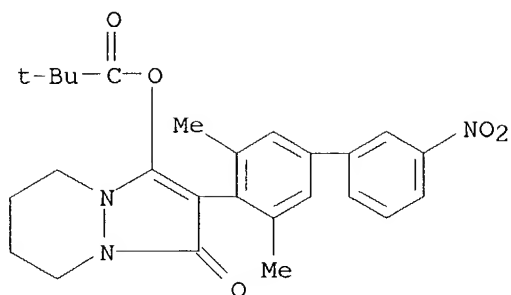
RN 329706-27-6 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3,5-dimethyl-3'-nitro[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



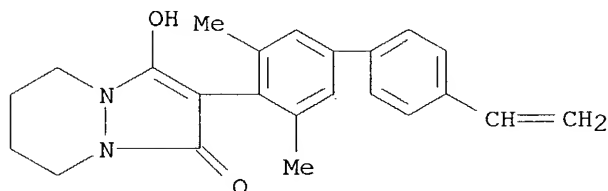
RN 329706-29-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(3,5-dimethyl-3'-nitro[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



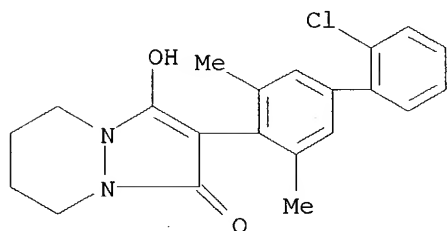
RN 329706-31-2 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(4'-ethenyl-3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



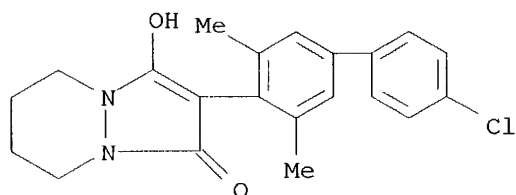
RN 329706-33-4 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



RN 329706-35-6 HCAPLUS

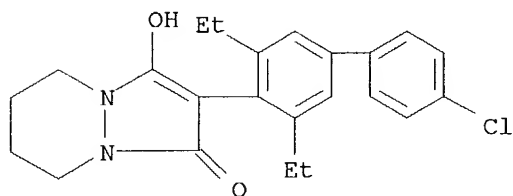
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(4'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



RN 329706-37-8 HCAPLUS

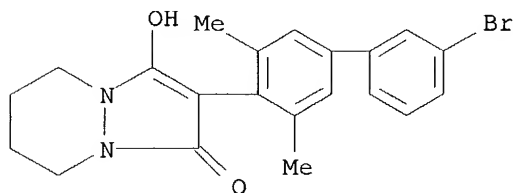
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(4'-chloro-3,5-diethyl[1,1'-biphenyl]-

4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



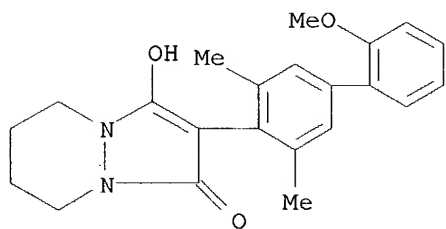
RN 329706-39-0 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3'-bromo-3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



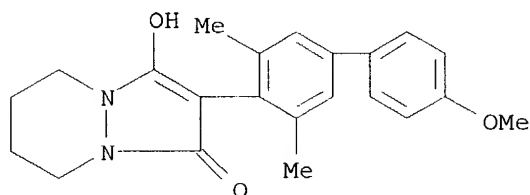
RN 329706-41-4 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-hydroxy-2-(2'-methoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)- (9CI) (CA INDEX NAME)



RN 329706-43-6 HCAPLUS

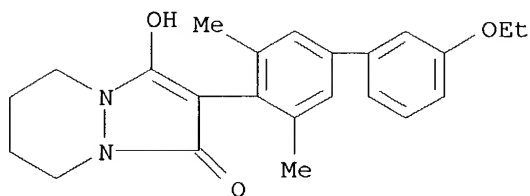
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-hydroxy-2-(4'-ethoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)- (9CI) (CA INDEX NAME)



RN 329706-45-8 HCAPLUS

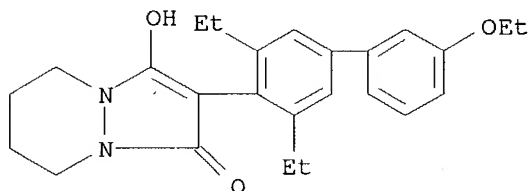
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3'-ethoxy-3,5-dimethyl[1,1'-

biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



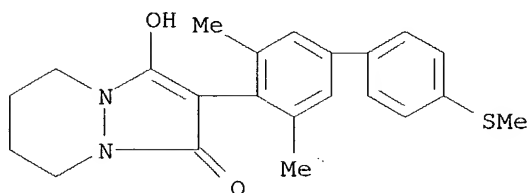
RN 329706-47-0 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3'-ethoxy-3,5-diethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



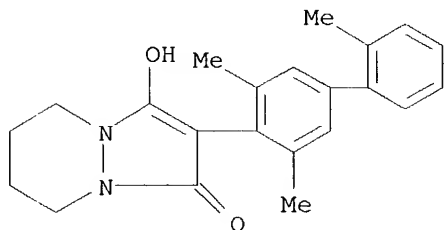
RN 329706-49-2 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[3,5-dimethyl-4'-(methylthio)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



RN 329706-51-6 HCAPLUS

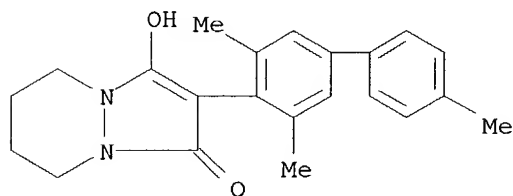
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-hydroxy-2-(2',3,5-trimethyl[1,1'-biphenyl]-4-yl)- (9CI) (CA INDEX NAME)



RN 329706-53-8 HCAPLUS

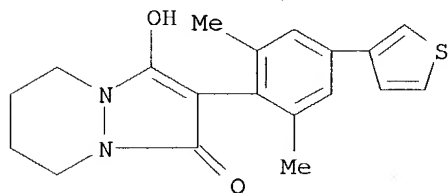
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-hydroxy-2-(3,4',5-

trimethyl[1,1'-biphenyl]-4-yl)- (9CI) (CA INDEX NAME)



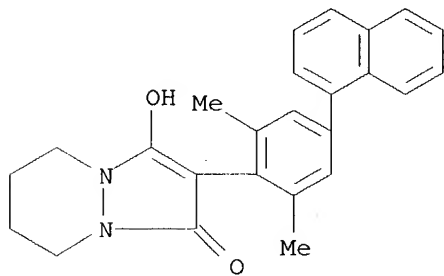
RN 329706-55-0 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[2,6-dimethyl-4-(3-thienyl)phenyl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



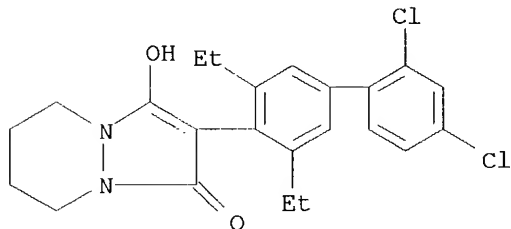
RN 329706-57-2 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[2,6-dimethyl-4-(1-naphthalenyl)phenyl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



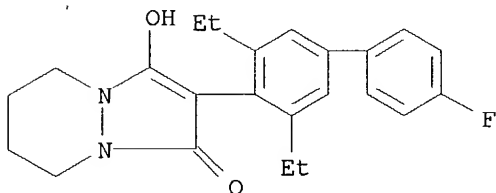
RN 329706-59-4 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2',4'-dichloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



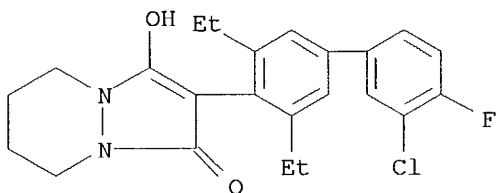
RN 329706-61-8 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3,5-diethyl-4'-fluoro[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



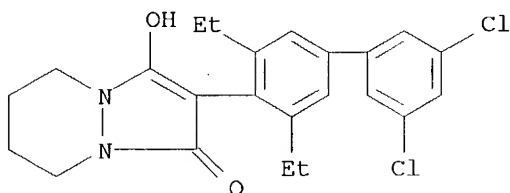
RN 329706-63-0 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3'-chloro-3,5-diethyl-4'-fluoro[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



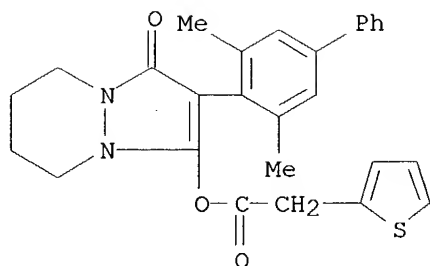
RN 329706-65-2 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(3',5'-dichloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



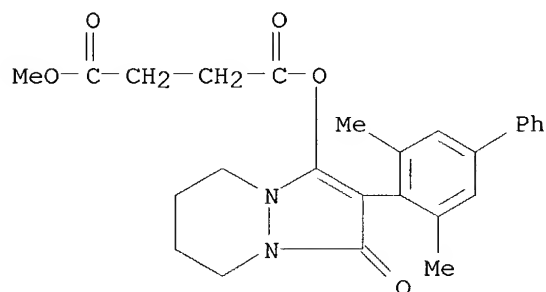
RN 329706-68-5 HCAPLUS

CN 2-Thiopheneacetic acid, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



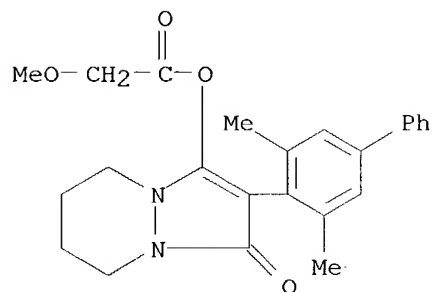
RN 329706-70-9 HCAPLUS

CN Butanedioic acid, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl methyl ester (9CI) (CA INDEX NAME)



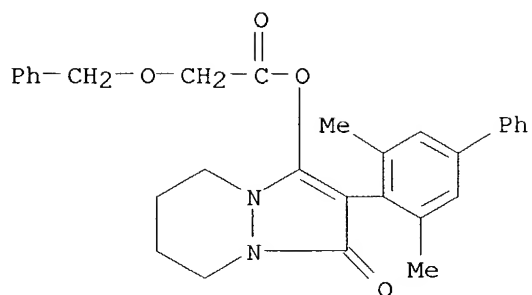
RN 329706-72-1 HCAPLUS

CN Acetic acid, methoxy-, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



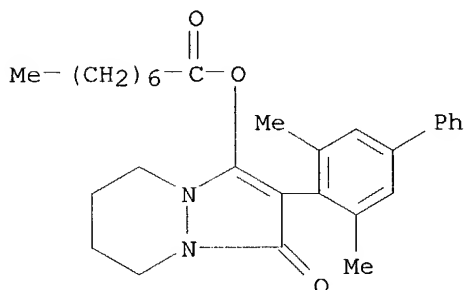
RN 329706-74-3 HCAPLUS

CN Acetic acid, (phenylmethoxy)-, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



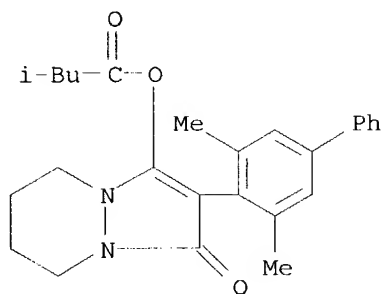
RN 329706-76-5 HCAPLUS

CN Octanoic acid, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



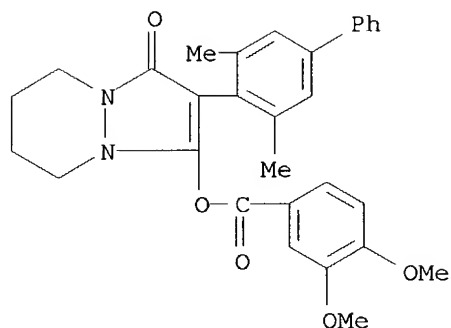
RN 329706-78-7 HCAPLUS

CN Butanoic acid, 3-methyl-, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



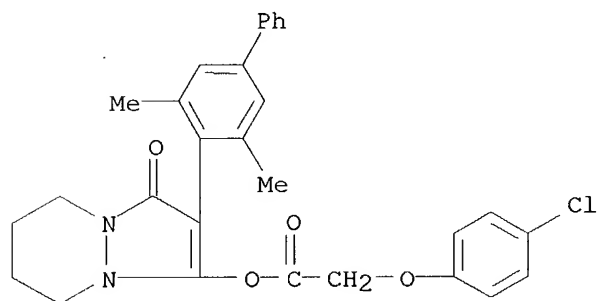
RN 329706-80-1 HCAPLUS

CN Benzoic acid, 3,4-dimethoxy-, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



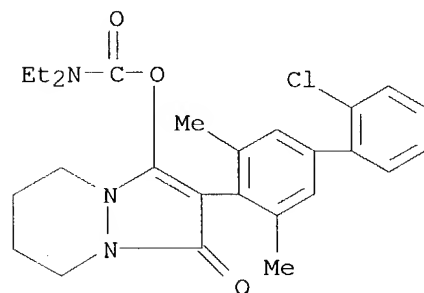
RN 329706-82-3 HCAPLUS

CN Acetic acid, (4-chlorophenoxy)-, 2-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



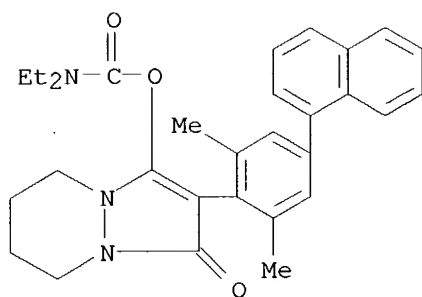
RN 329706-84-5 HCAPLUS

CN Carbamic acid, diethyl-, 2-(2'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



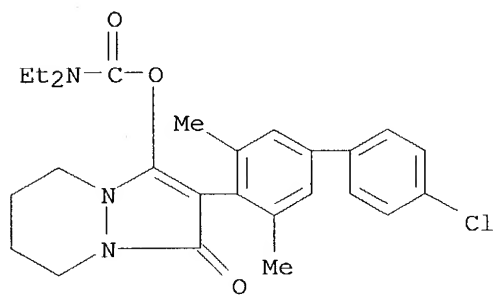
RN 329706-86-7 HCAPLUS

CN Carbamic acid, diethyl-, 2-[2,6-dimethyl-4-(1-naphthalenyl)phenyl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



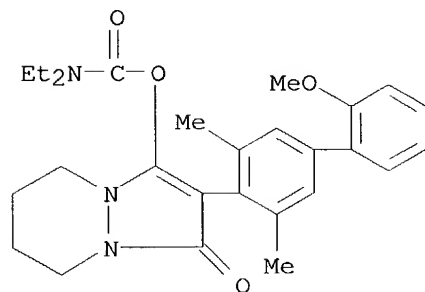
RN 329706-88-9 HCAPLUS

CN Carbamic acid, diethyl-, 2-(4'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



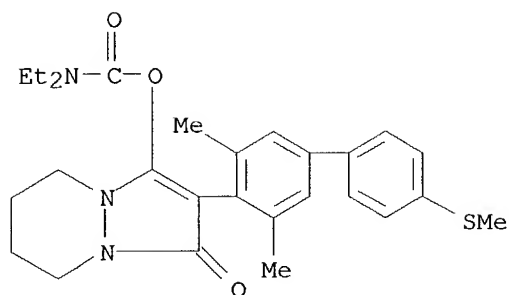
RN 329706-89-0 HCAPLUS

CN Carbamic acid, diethyl-, 5,6,7,8-tetrahydro-2-(2'-methoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



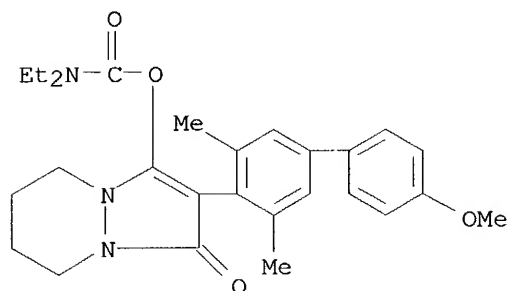
RN 329706-91-4 HCAPLUS

CN Carbamic acid, diethyl-, 2-[3,5-dimethyl-4'-(methylthio)[1,1'-biphenyl]-4-yl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



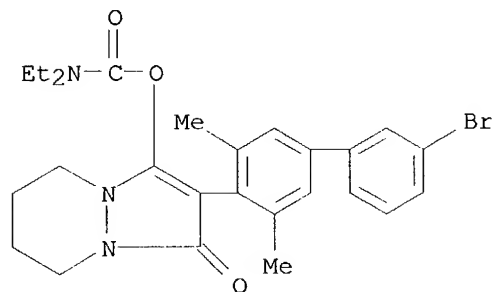
RN 329706-93-6 HCAPLUS

CN Carbamic acid, diethyl-, 5,6,7,8-tetrahydro-2-(4'-methoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



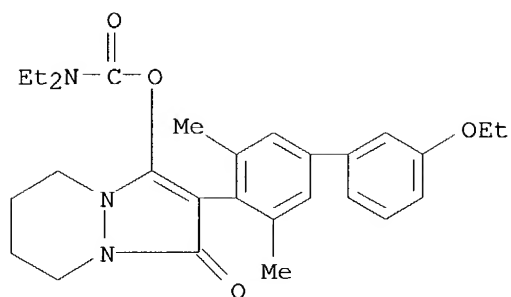
RN 329706-95-8 HCAPLUS

CN Carbamic acid, diethyl-, 2-(3'-bromo-3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



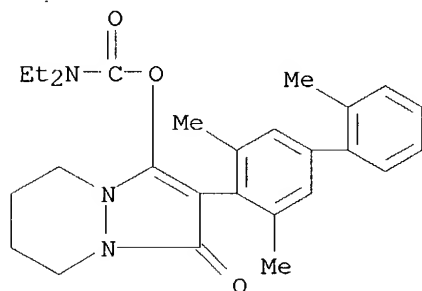
RN 329706-97-0 HCAPLUS

CN Carbamic acid, diethyl-, 2-(3'-ethoxy-3,5-dimethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



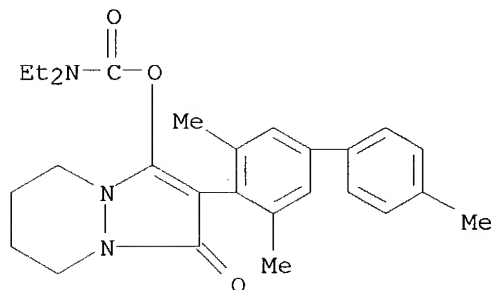
RN 329706-99-2 HCAPLUS

CN Carbamic acid, diethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2',3,5-trimethyl[1,1'-biphenyl]-4-yl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



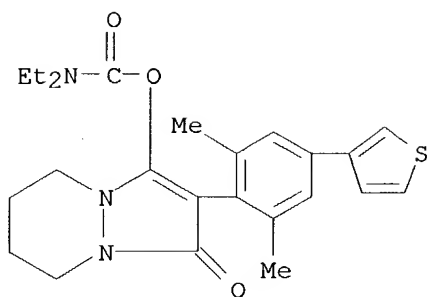
RN 329707-01-9 HCAPLUS

CN Carbamic acid, diethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(3,4',5-trimethyl[1,1'-biphenyl]-4-yl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



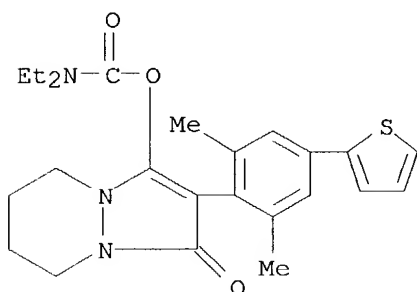
RN 329707-03-1 HCAPLUS

CN Carbamic acid, diethyl-, 2-[2,6-dimethyl-4-(3-thienyl)phenyl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



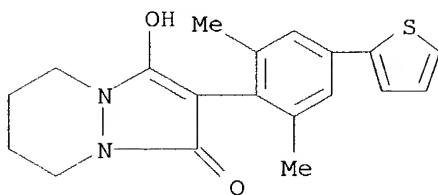
RN 329707-05-3 HCAPLUS

CN Carbamic acid, diethyl-, 2-[2,6-dimethyl-4-(2-thienyl)phenyl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



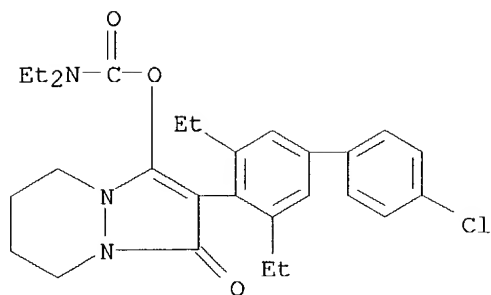
RN 329707-07-5 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[2,6-dimethyl-4-(2-thienyl)phenyl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



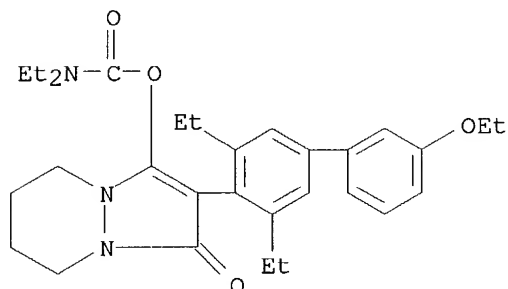
RN 329707-09-7 HCAPLUS

CN Carbamic acid, diethyl-, 2-(4'-chloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



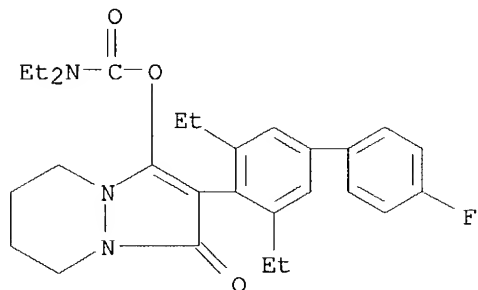
RN 329707-11-1 HCAPLUS

CN Carbamic acid, diethyl-, 2-(3'-ethoxy-3,5-diethyl[1,1'-biphenyl]-4-yl)-
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INDEX NAME)



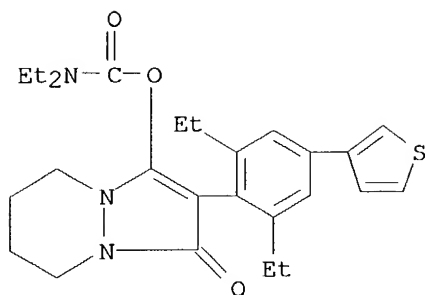
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CN Carbamic acid, diethyl-, 2-(3,5-diethyl-4'-fluoro[1,1'-biphenyl]-4-yl)-
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INDEX NAME)



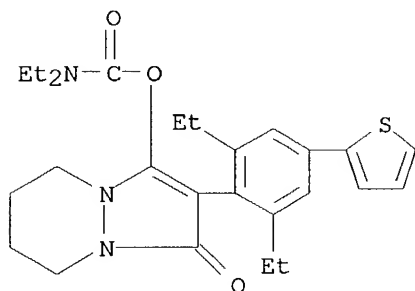
RN 329707-15-5 HCAPLUS

CN Carbamic acid, diethyl-, 2-[2,6-diethyl-4-(3-thienyl)phenyl]-5,6,7,8-
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NAME)



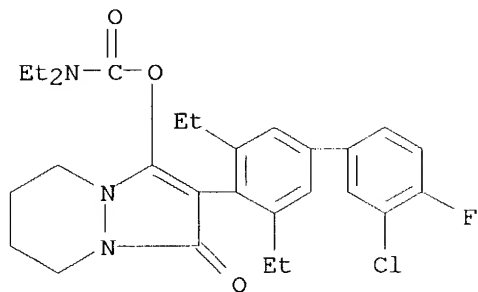
RN 329707-17-7 HCAPLUS

CN Carbamic acid, diethyl-, 2-[2,6-diethyl-4-(2-thienyl)phenyl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



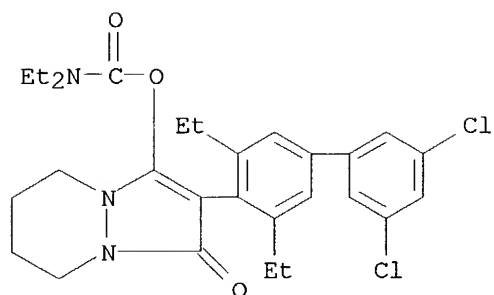
RN 329707-19-9 HCAPLUS

CN Carbamic acid, diethyl-, 2-(3'-chloro-3,5-diethyl-4'-fluoro[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



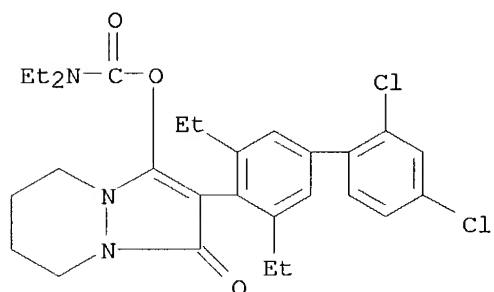
RN 329707-21-3 HCAPLUS

CN Carbamic acid, diethyl-, 2-(3',5'-dichloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



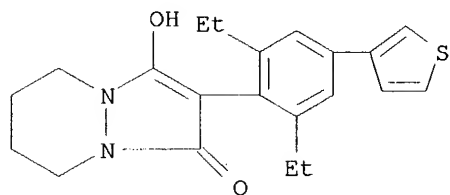
RN 329707-23-5 HCAPLUS

CN Carbamic acid, diethyl-, 2-(2',4'-dichloro-3,5-diethyl[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI)
(CA INDEX NAME)



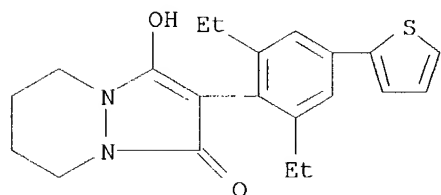
RN 329707-25-7 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[2,6-diethyl-4-(3-thienyl)phenyl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



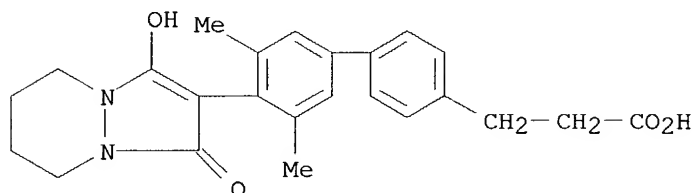
RN 329707-26-8 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[2,6-diethyl-4-(2-thienyl)phenyl]-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



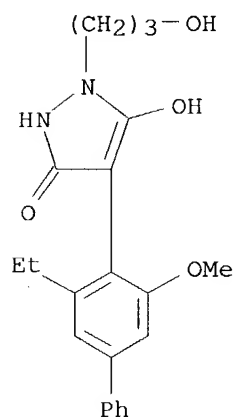
RN 329707-28-0 HCAPLUS

CN [1,1'-Biphenyl]-4-propanoic acid, 3',5'-dimethyl-4'-(5,6,7,8-tetrahydro-3-hydroxy-1-oxo-1H-pyrazolo[1,2-a]pyridazin-2-yl)- (9CI) (CA INDEX NAME)



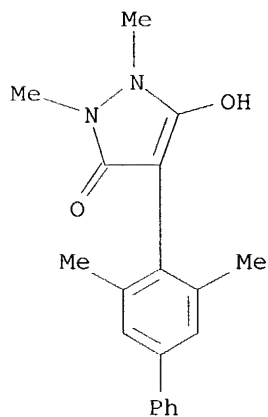
RN 329707-30-4 HCAPLUS

CN 3H-Pyrazol-3-one, 4-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-1,2-dihydro-5-hydroxy-1-(3-hydroxypropyl)- (9CI) (CA INDEX NAME)



RN 329707-32-6 HCAPLUS

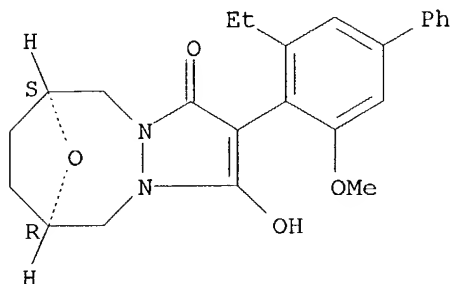
CN 3H-Pyrazol-3-one, 4-(3,5-dimethyl[1,1'-biphenyl]-4-yl)-1,2-dihydro-5-hydroxy-1,2-dimethyl- (9CI) (CA INDEX NAME)



RN 329707-36-0 HCAPLUS

CN 6,9-Epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-1-one, 2-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-5,6,7,8,9,10-hexahydro-3-hydroxy-, (6R,9S)- (9CI) (CA INDEX NAME)

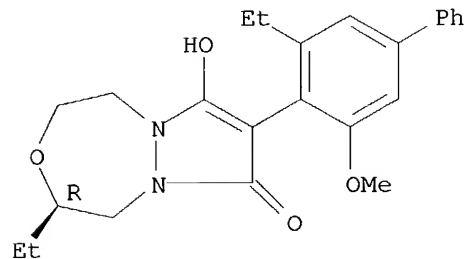
Absolute stereochemistry.



RN 329707-38-2 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 4-ethyl-8-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy-, (4R)- (9CI) (CA INDEX NAME)

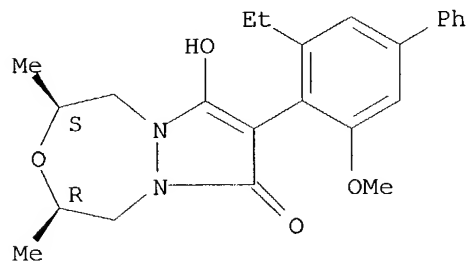
Absolute stereochemistry.



RN 329707-40-6 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-1,2,4,5-tetrahydro-9-hydroxy-2,4-dimethyl-, (2S,4R)- (9CI) (CA INDEX NAME)

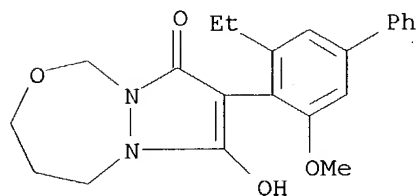
Absolute stereochemistry.



RN 329707-42-8 HCAPLUS

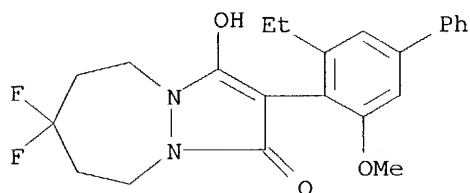
CN 1H,3H,9H-Pyrazolo[1,2-c][1,3,4]oxadiazepin-9-one, 8-(3-ethyl-5-

methoxy[1,1'-biphenyl]-4-yl)-4,5-dihydro-7-hydroxy- (9CI) (CA INDEX NAME)



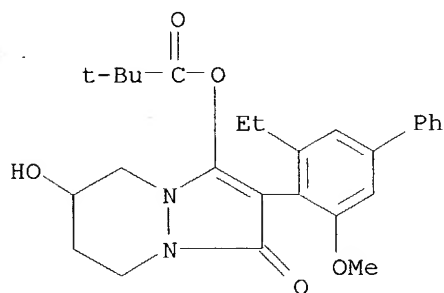
RN 329707-44-0 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 2-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-7,7-difluoro-6,7,8,9-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



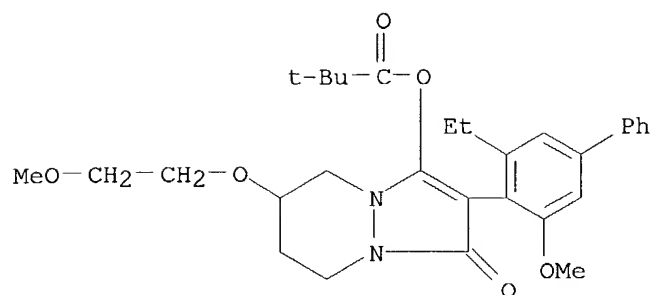
RN 329707-46-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-6-hydroxy-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 329707-48-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(3-ethyl-5-methoxy[1,1'-biphenyl]-4-yl)-5,6,7,8-tetrahydro-6-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



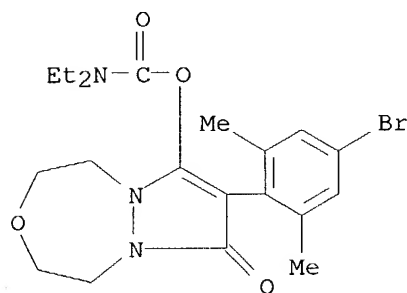
IT 329704-33-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of alkoxyphenyloxopyrazolines as herbicides)

RN 329704-33-8 HCAPLUS

CN Carbamic acid, diethyl-, 8-(4-bromo-2,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



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ACCESSION NUMBER: 2001:185730 HCAPLUS

DOCUMENT NUMBER: 134:237482

TITLE: preparation of alkylphenylpyrazolines, -pyrroles, -furans, -thiophenes, and -thiazines as herbicides.

INVENTOR(S): Maetzke, Thomas; Stoller, Andre; Wendeborn, Sebastian; Szczepanski, Henry

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 135 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001017972	A2	20010315	WO 2000-EP8656	20000905
WO 2001017972	A3	20010927		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,

LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1210333 A2 20020605 EP 2000-965923 20000905
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL
AU 767356 B2 20031106 AU 2000-76503 20000905
PRIORITY APPLN. INFO.: CH 1999-1642 A 19990907
WO 2000-EP8656 W 20000905
OTHER SOURCE(S): MARPAT 134:237482
AB Title compds. [I; R1, R3 = Et, haloethyl, ethynyl, alkoxy, haloalkoxy,
alkylcarbonyl, hydroxyalkyl, alkoxy carbonyl; Q = (substituted)
dioxopyrazolinyl, dioxopyrrolyl, dioxofuranyl, dioxothienyl, dioxopyranlyl,
dioxothiazinyl, etc.] were prep'd. Thus, hexahydropyridazine
dihydrobromide and Et3N in xylene were heated at 60.degree. and then di-Et
(4-methyl-2,6-diethylphenyl)malonate (analog prepn. is given) was added
followed by heating at 150.degree. with distn. of Et3N and EtOH to give
2-(2,6-diethyl-4-methylphenyl)-tetrahydropyrazolo[1,2,a]pyridazine-1,3-
dione, which was treated with Et3N in THF, DMAP and Me3CCOCl to give
5-oxo-3-pivaloyl-2(2,6-diethyl-4-methylphenyl)-tetrahydro-
pyrazolo[1,2,a]pyridazine. Several I at 500 ppm preemergent and at 250
ppm postemergent gave 50-100% control of Alopecurus, Avena, Lolium,
Setaria, Panicum, Sorghum, Digitaria, Echinocloa, and Brachiaria.
IC ICM C07D231-00
CC 28-14 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5
IT **Herbicides**
(prepn. of alkylphenylpyrazolines, -pyrroles, -furans, -thiophenes, or
-thiazines as herbicides)
IT 329963-02-2P 329963-03-3P 329963-06-6P
329963-08-8P 329963-10-2P 329963-12-4P
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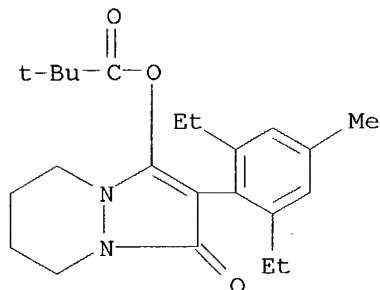
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of alkylphenylpyrazolines, -pyrroles, -furans, -thiophenes, or -thiazines as herbicides)

IT 329963-02-2P 329963-03-3P 329963-06-6P
329963-08-8P 329963-10-2P 329963-12-4P
329963-14-6P 329963-16-8P 329963-18-0P
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329964-51-4P 329964-52-5P 329964-54-7P
329964-56-9P 329964-58-1P 329964-60-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of alkylphenylpyrazolines, -pyrroles, -furans, -thiophenes, or -thiazines as herbicides)

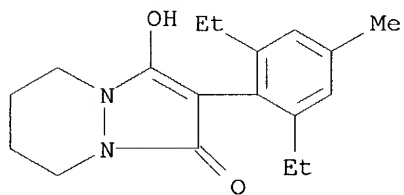
RN 329963-02-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



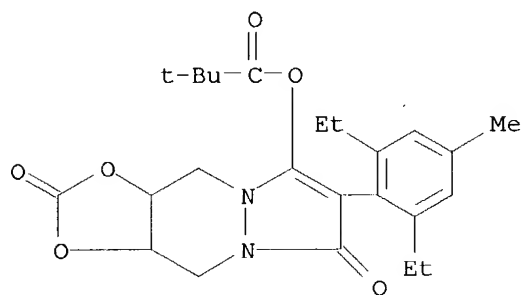
RN 329963-03-3 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



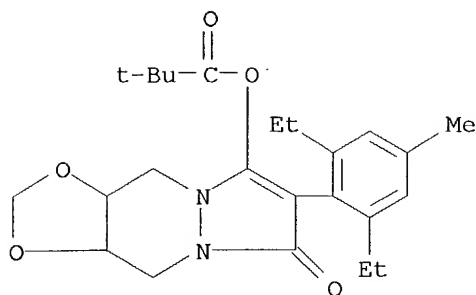
RN 329963-06-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 7-(2,6-diethyl-4-methylphenyl)-3a,4,10,10a-tetrahydro-2,6-dioxo-6H-1,3-dioxolo[4,5-d]pyrazolo[1,2-a]pyridazin-8-yl ester (9CI) (CA INDEX NAME)



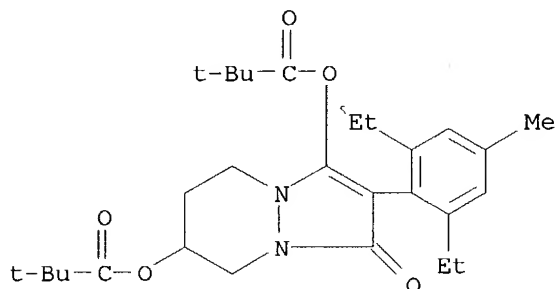
RN 329963-08-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 7-(2,6-diethyl-4-methylphenyl)-3a,4,10,10a-tetrahydro-6-oxo-6H-1,3-dioxolo[4,5-d]pyrazolo[1,2-a]pyridazin-8-yl ester (9CI) (CA INDEX NAME)



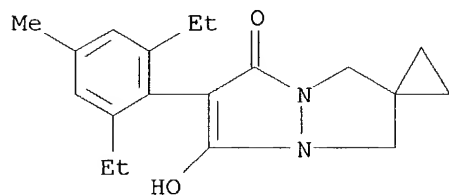
RN 329963-10-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazine-3,7-diyl ester (9CI) (CA INDEX NAME)



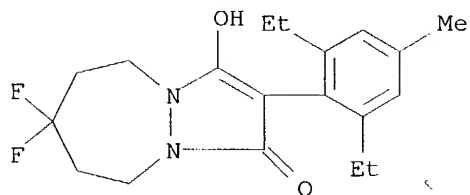
RN 329963-12-4 HCAPLUS

CN Spiro[cyclopropane-1,2'-(3'H)-[1H,5H]pyrazolo[1,2-a]pyrazol]-5'-one, 6'-(2,6-diethyl-4-methylphenyl)-7'-hydroxy- (9CI) (CA INDEX NAME)

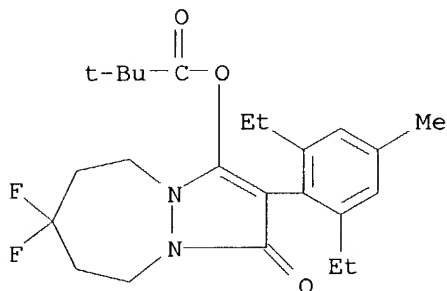


RN 329963-14-6 HCAPLUS

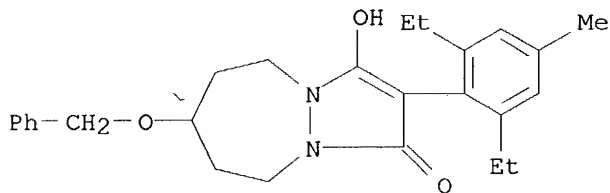
CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 2-(2,6-diethyl-4-methylphenyl)-7,7-difluoro-6,7,8,9-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



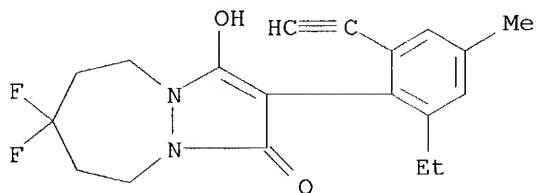
RN 329963-16-8 HCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-7,7-difluoro-6,7,8,9-tetrahydro-1-oxo-1H,5H-pyrazolo[1,2-a][1,2]diazepin-3-yl ester (9CI) (CA INDEX NAME)



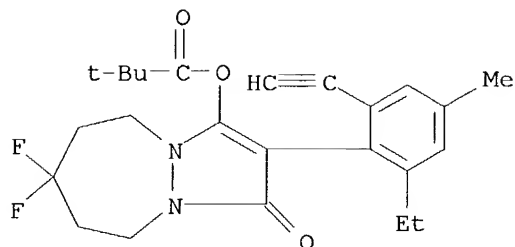
RN 329963-18-0 HCAPLUS
 CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 2-(2,6-diethyl-4-methylphenyl)-6,7,8,9-tetrahydro-3-hydroxy-7-(phenylmethoxy)- (9CI) (CA INDEX NAME)



RN 329963-20-4 HCAPLUS
 CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 2-(2-ethyl-6-ethynyl-4-methylphenyl)-7,7-difluoro-6,7,8,9-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)

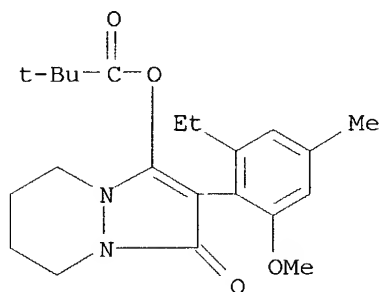


RN 329963-22-6 HCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 2-(2-ethyl-6-ethynyl-4-methylphenyl)-7,7-difluoro-6,7,8,9-tetrahydro-1-oxo-1H,5H-pyrazolo[1,2-a][1,2]diazepin-3-yl ester (9CI) (CA INDEX NAME)



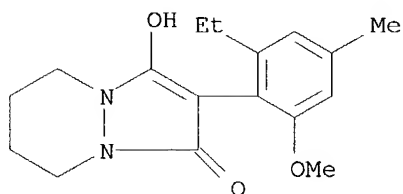
RN 329963-24-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



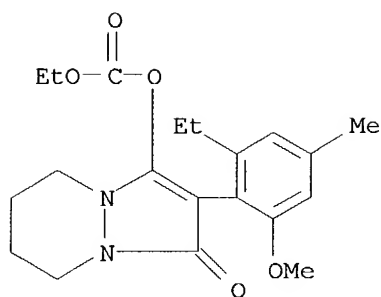
RN 329963-26-0 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



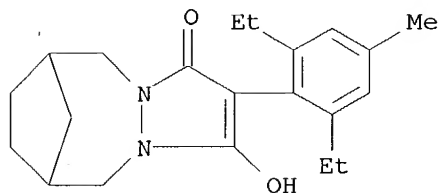
RN 329963-28-2 HCAPLUS

CN Carbonic acid, ethyl 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



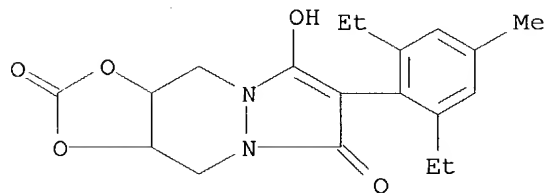
RN 329963-30-6 HCAPLUS

CN 6,9-Methano-1H-pyrazolo[1,2-a][1,2]diazocin-1-one, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8,9,10-hexahydro-3-hydroxy- (9CI) (CA INDEX NAME)



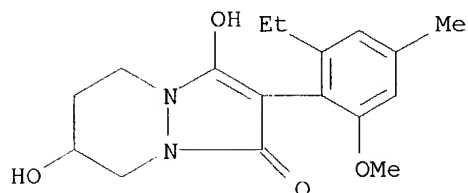
RN 329963-32-8 HCAPLUS

CN 6H-1,3-Dioxolo[4,5-d]pyrazolo[1,2-a]pyridazine-2,6-dione, 7-(2,6-diethyl-4-methylphenyl)-3a,4,10,10a-tetrahydro-8-hydroxy- (9CI) (CA INDEX NAME)



RN 329963-34-0 HCAPLUS

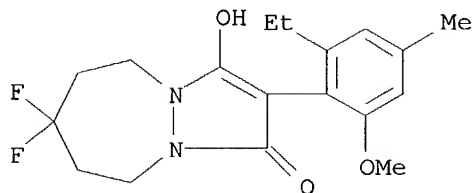
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-3,7-dihydroxy- (9CI) (CA INDEX NAME)



RN 329963-36-2 HCAPLUS

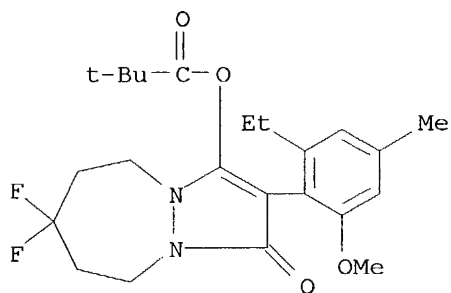
CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 2-(2-ethyl-6-methoxy-4-

methylphenyl)-7,7-difluoro-6,7,8,9-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



RN 329963-38-4 HCAPLUS

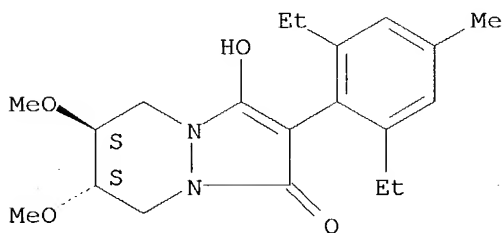
CN Propanoic acid, 2,2-dimethyl-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-7,7-difluoro-6,7,8,9-tetrahydro-1-oxo-1H,5H-pyrazolo[1,2-a][1,2]diazepin-3-yl ester (9CI) (CA INDEX NAME)



RN 329963-40-8 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-3-hydroxy-6,7-dimethoxy-, (6R,7R)-rel- (9CI) (CA INDEX NAME)

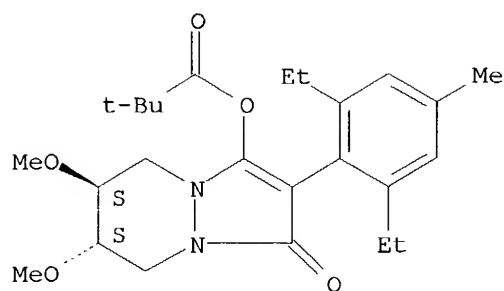
Relative stereochemistry.



RN 329963-42-0 HCAPLUS

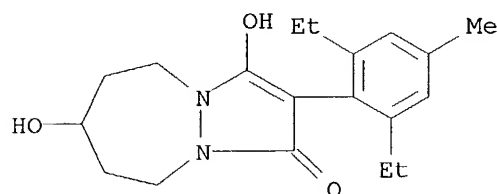
CN Propanoic acid, 2,2-dimethyl-, (6R,7R)-2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-6,7-dimethoxy-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



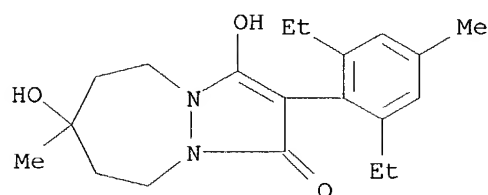
RN 329963-44-2 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 2-(2,6-diethyl-4-methylphenyl)-6,7,8,9-tetrahydro-3,7-dihydroxy- (9CI) (CA INDEX NAME)



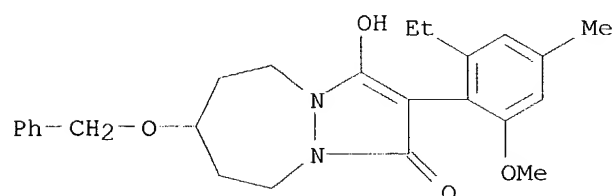
RN 329963-46-4 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 2-(2,6-diethyl-4-methylphenyl)-6,7,8,9-tetrahydro-3,7-dihydroxy-7-methyl- (9CI) (CA INDEX NAME)



RN 329963-48-6 HCAPLUS

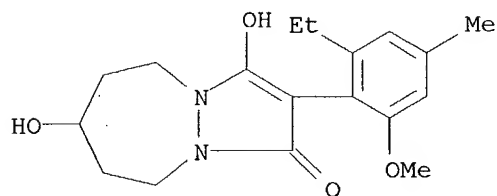
CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 2-(2-ethyl-6-methoxy-4-methylphenyl)-6,7,8,9-tetrahydro-3-hydroxy-7-(phenylmethoxy)- (9CI) (CA INDEX NAME)



RN 329963-50-0 HCAPLUS

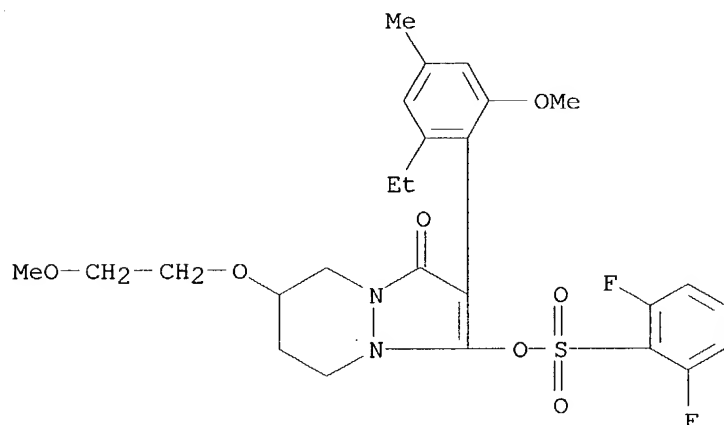
CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 2-(2-ethyl-6-methoxy-4-

methylphenyl)-6,7,8,9-tetrahydro-3,7-dihydroxy- (9CI) (CA INDEX NAME)



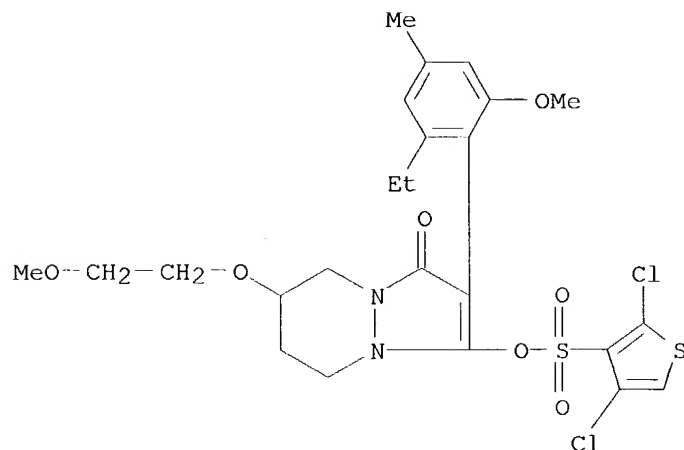
RN 329963-52-2 HCAPLUS

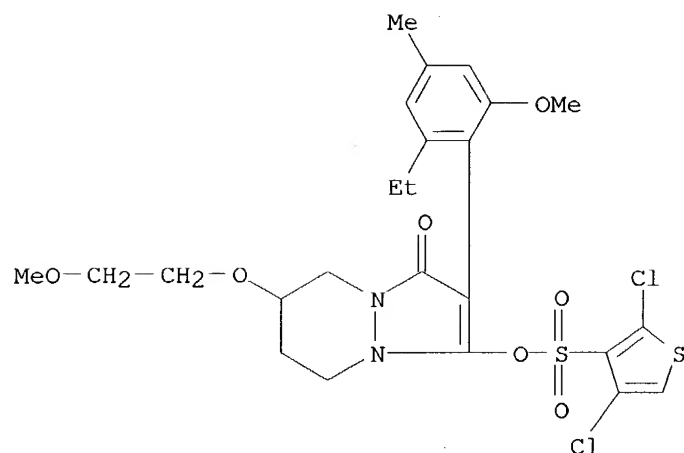
CN Benzenesulfonic acid, 2,6-difluoro-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 329963-55-5 HCAPLUS

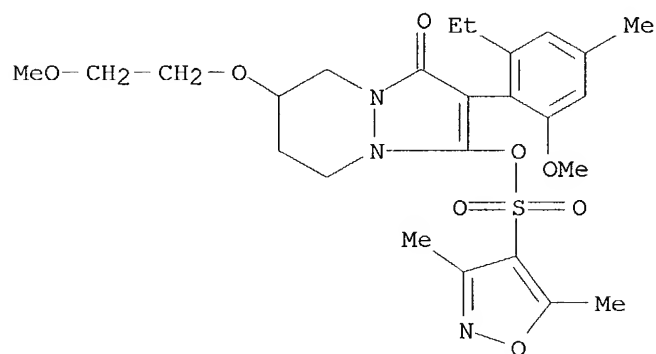
CN 3-Thiophenesulfonic acid, 2,4-dichloro-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)





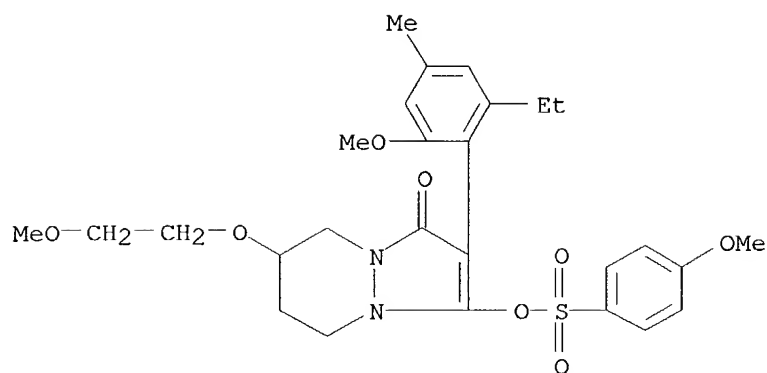
RN 329963-57-7 HCAPLUS

CN 4-Isioxazolesulfonic acid, 3,5-dimethyl-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



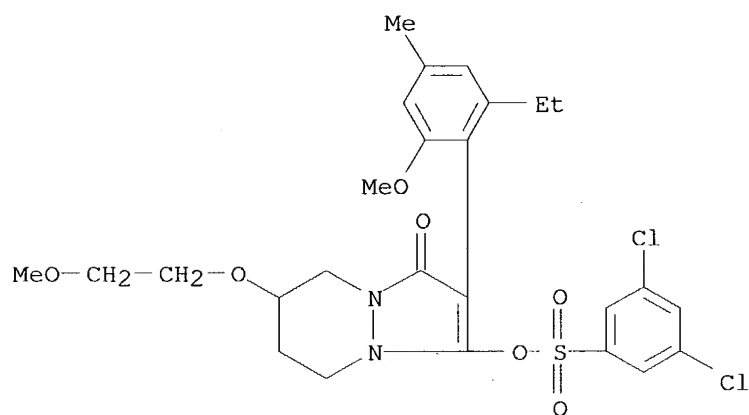
RN 329963-59-9 HCAPLUS

CN Benzenesulfonic acid, 4-methoxy-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



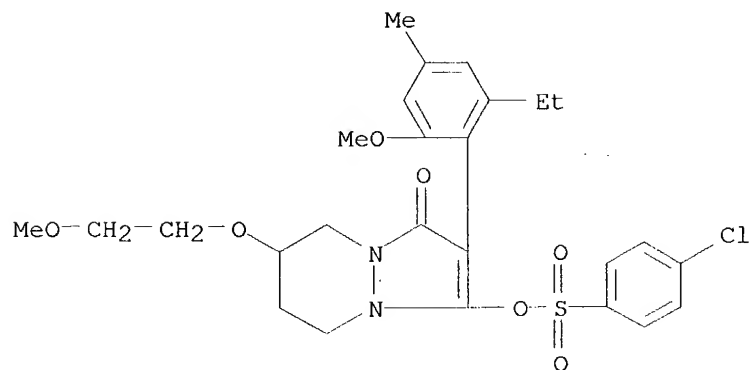
RN 329963-61-3 HCAPLUS

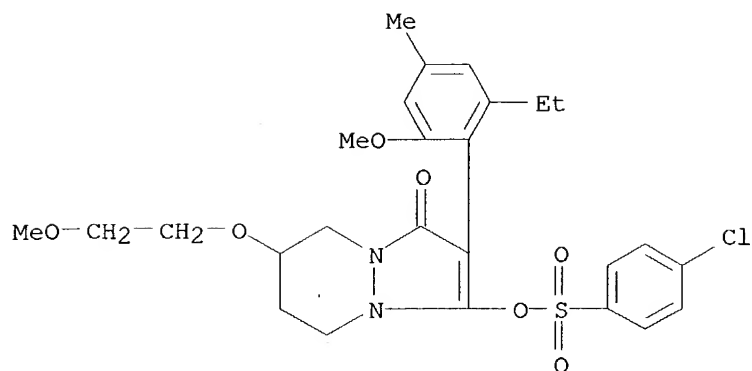
CN Benzenesulfonic acid, 3,5-dichloro-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 329963-63-5 HCAPLUS

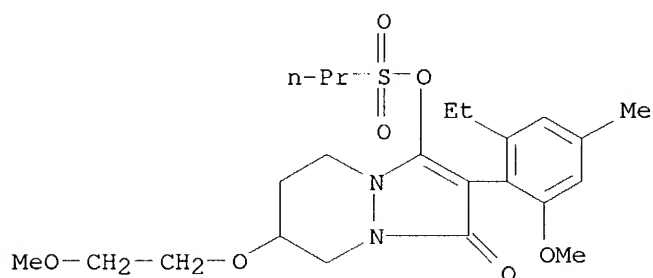
CN Benzenesulfonic acid, 4-chloro-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)





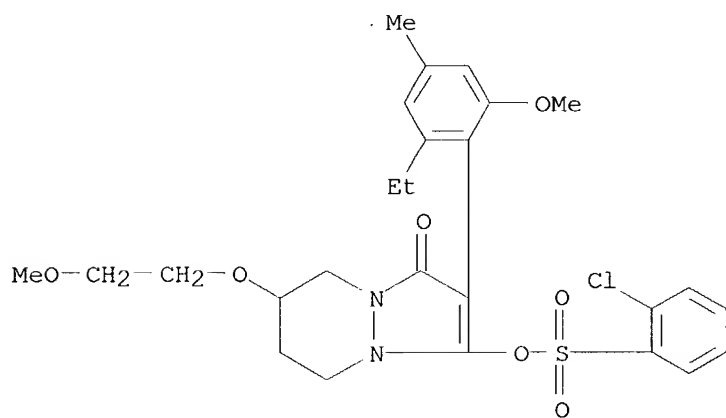
RN 329963-65-7 HCAPLUS

CN 1-Propanesulfonic acid, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 329963-67-9 HCAPLUS

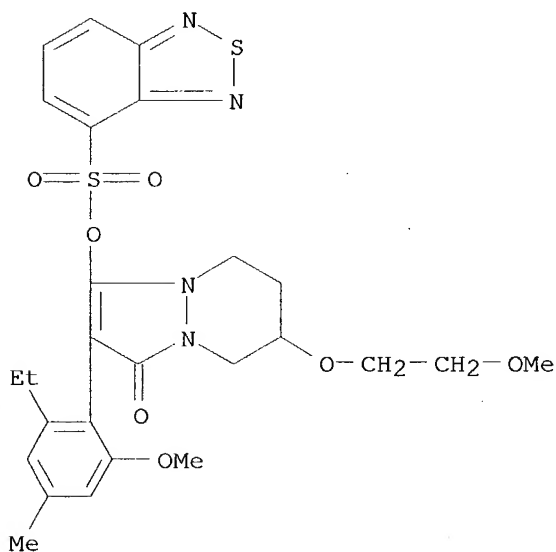
CN Benzenesulfonic acid, 2-chloro-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



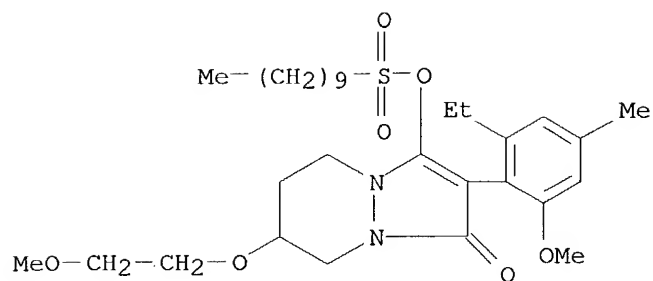
RN 329963-68-0 HCAPLUS

CC1=CC(=C(C=C1)C(=O)N2CCN(C2)COCCOC)C(=C(C=C1)C(=O)N3C=CC(=C3)C(C)=N4C=CC(=C4)C(C)=N)S(=O)(=O)Cl

CN 2,1,3-Benzothiadiazole-4-sulfonic acid, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

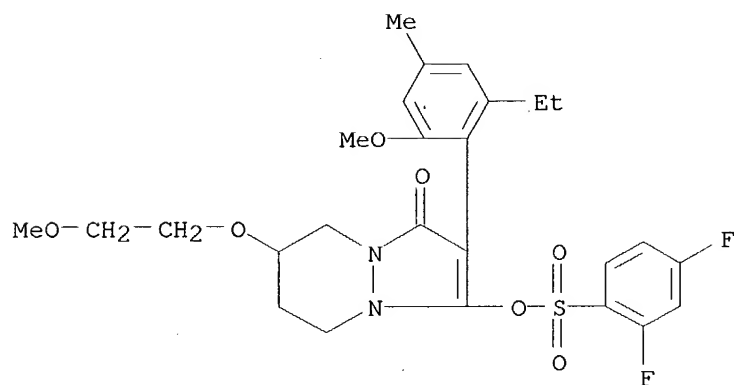


CN 1-Decanesulfonic acid, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



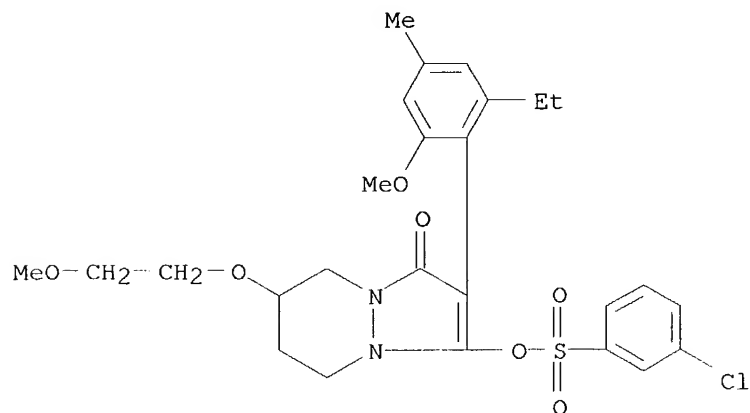
RN 329963-73-7 HCAPLUS

CN Benzenesulfonic acid, 2,4-difluoro-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



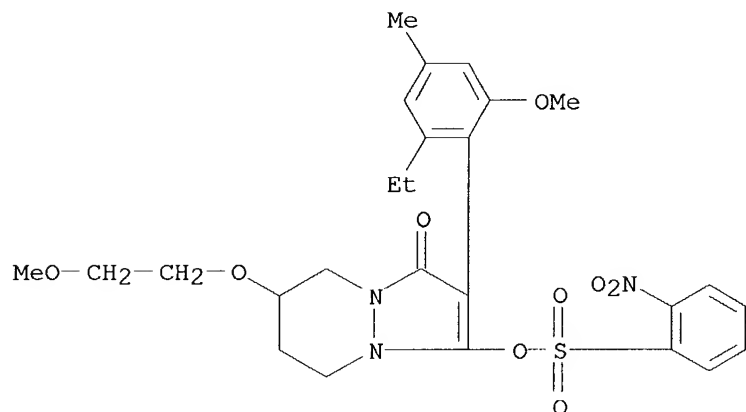
RN 329963-74-8 HCAPLUS

CN Benzenesulfonic acid, 3-chloro-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



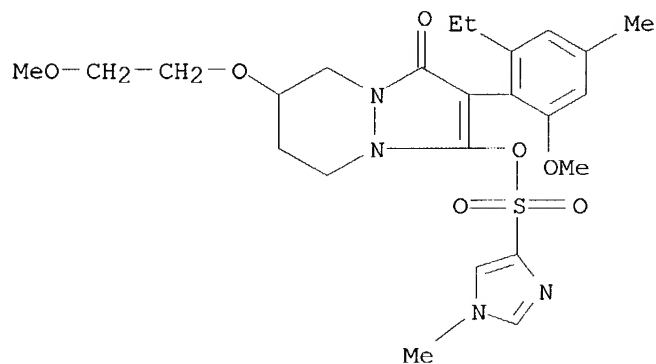
RN 329963-76-0 HCAPLUS

CN Benzenesulfonic acid, 2-nitro-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



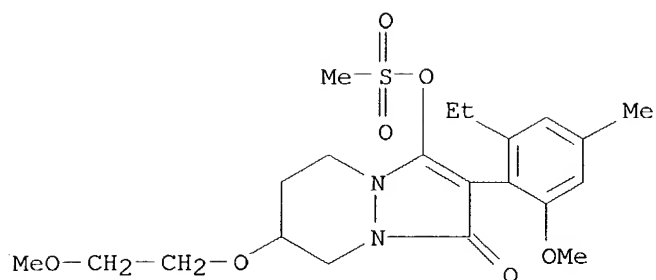
RN 329963-77-1 HCAPLUS

CN 1H-Imidazole-4-sulfonic acid, 1-methyl-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



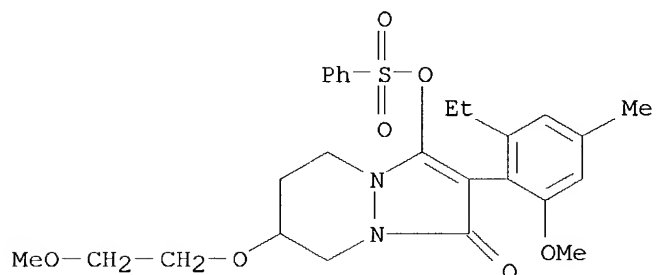
RN 329963-78-2 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-3-[(methylsulfonyl)oxy]- (9CI) (CA INDEX NAME)



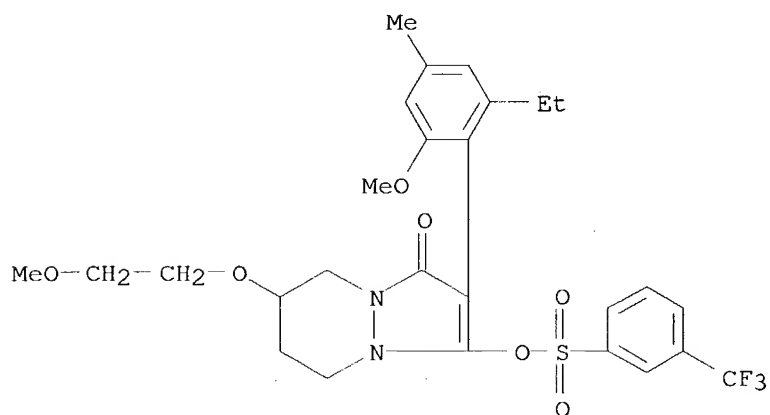
RN 329963-79-3 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-3-[(phenylsulfonyl)oxy]- (9CI) (CA INDEX NAME)



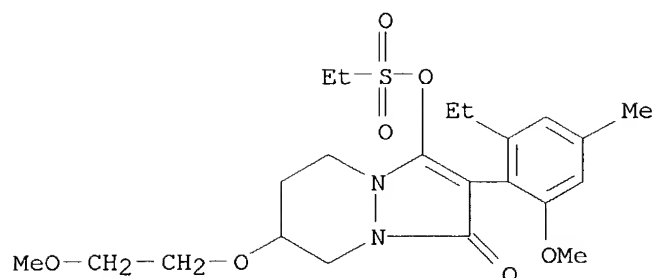
RN 329963-80-6 HCAPLUS

CN Benzenesulfonic acid, 3-(trifluoromethyl)-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



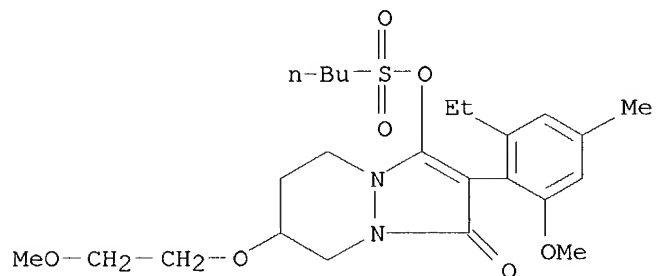
RN 329963-81-7 HCAPLUS

CN Ethanesulfonic acid, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



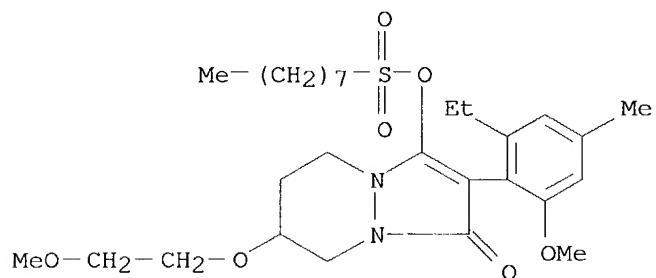
RN 329963-83-9 HCAPLUS

CN 1-Butanesulfonic acid, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



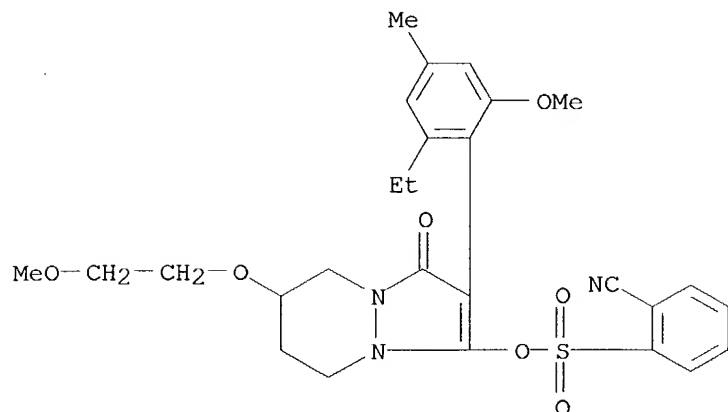
RN 329963-85-1 HCAPLUS

CN 1-Octanesulfonic acid, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



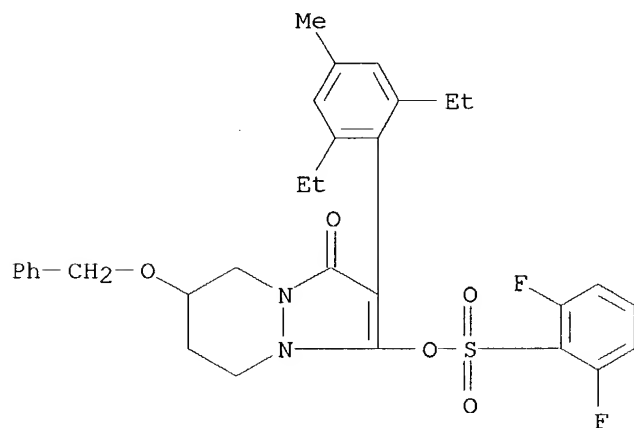
RN 329963-86-2 HCAPLUS

CN Benzenesulfonic acid, 2-cyano-, 2-(2-ethyl-6-methoxy-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



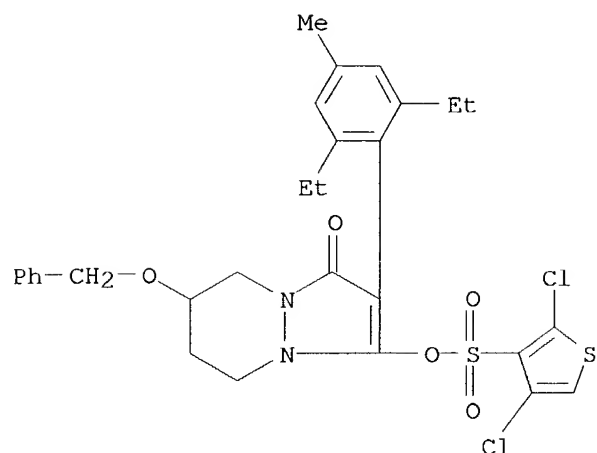
RN 329963-87-3 HCAPLUS

CN Benzenesulfonic acid, 2,6-difluoro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



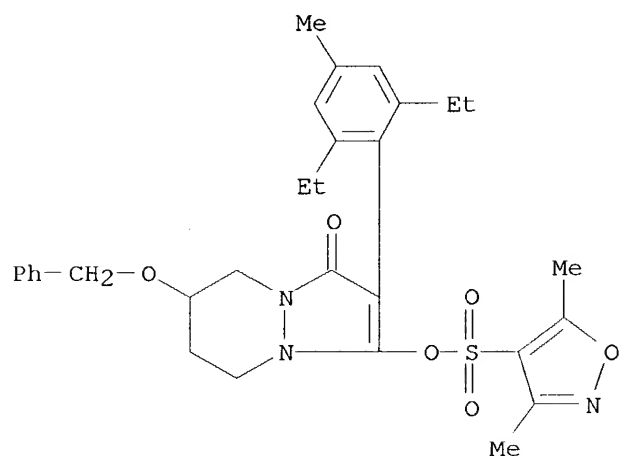
RN 329963-89-5 HCAPLUS

CN 3-Thiophenesulfonic acid, 2,4-dichloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



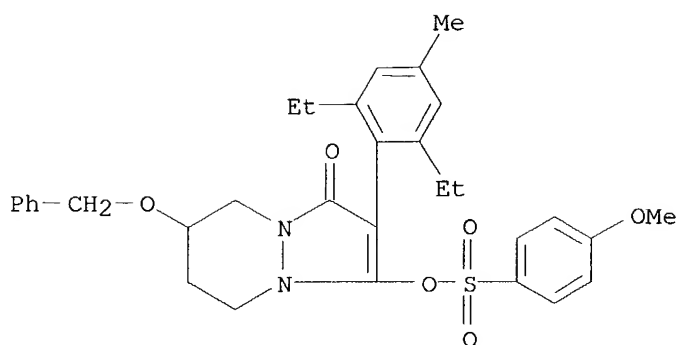
RN 329963-90-8 HCAPLUS

CN 4-Isoxazolesulfonic acid, 3,5-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



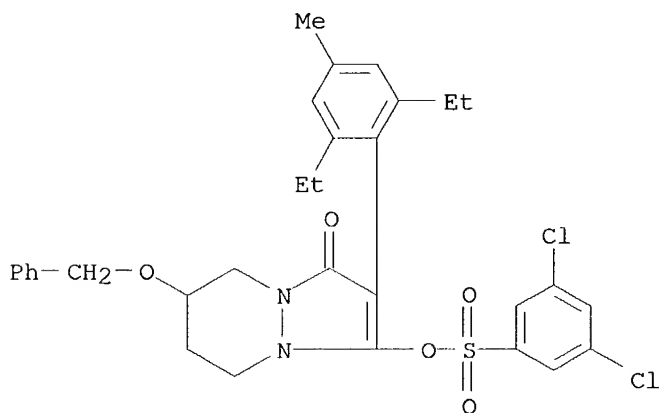
RN 329963-91-9 HCAPLUS

CN Benzenesulfonic acid, 4-methoxy-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



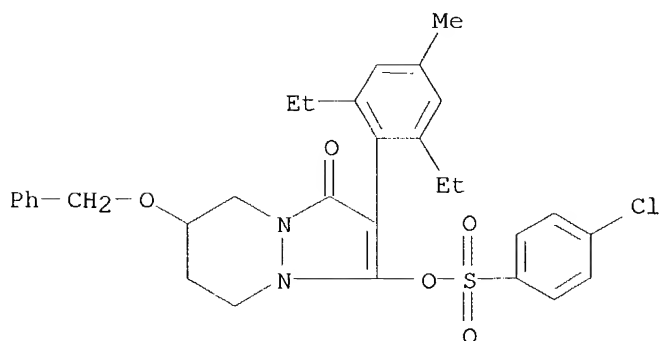
RN 329963-92-0 HCAPLUS

CN Benzenesulfonic acid, 3,5-dichloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



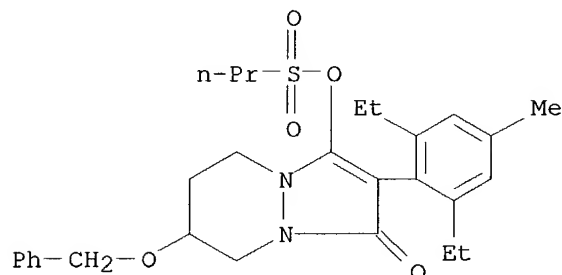
RN 329963-93-1 HCAPLUS

CN Benzenesulfonic acid, 4-chloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



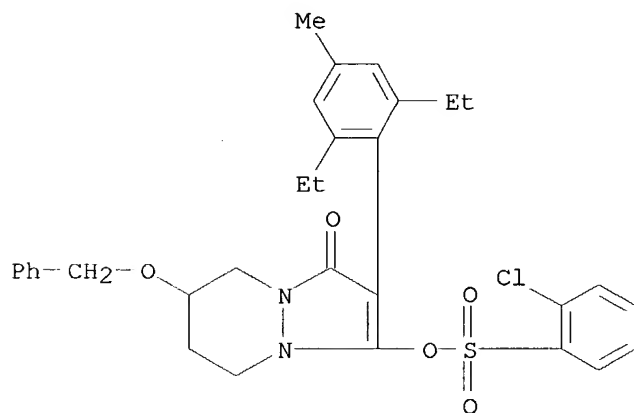
RN 329963-95-3 HCAPLUS

CN 1-Propanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



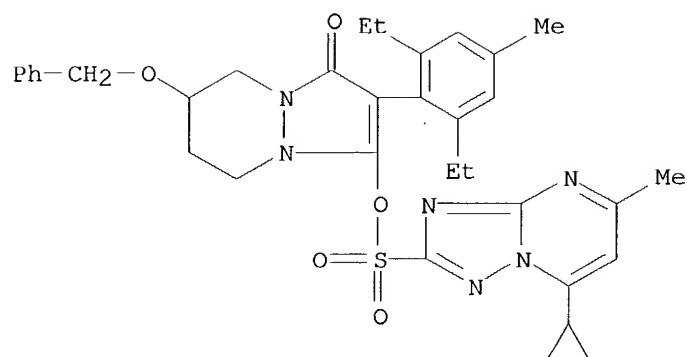
RN 329963-97-5 HCAPLUS

CN Benzenesulfonic acid, 2-chloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



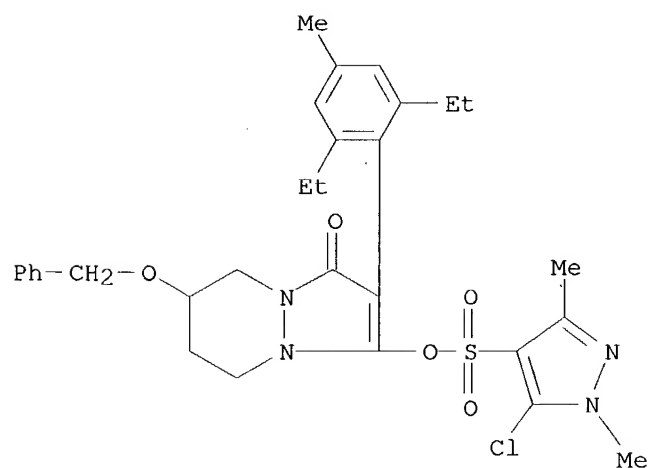
RN 329963-98-6 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-2-sulfonic acid, 7-cyclopropyl-5-methyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



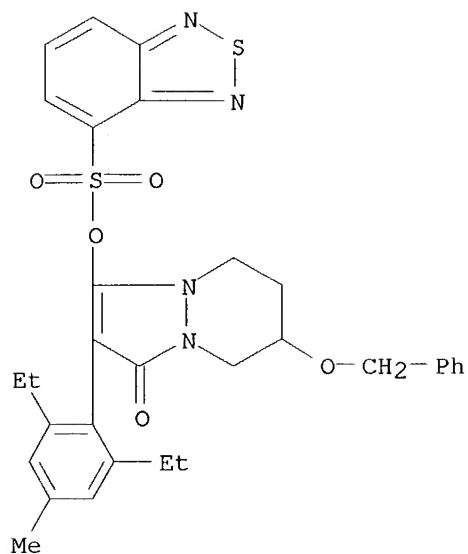
RN 329964-00-3 HCAPLUS

CN 1H-Pyrazole-4-sulfonic acid, 5-chloro-1,3-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



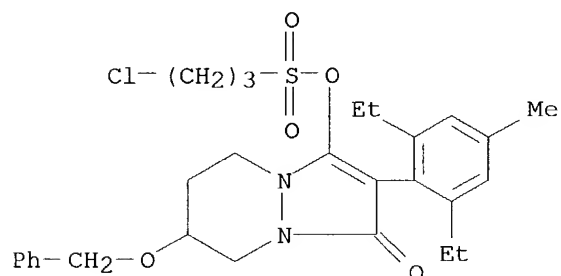
RN 329964-02-5 HCAPLUS

CN 2,1,3-Benzothiadiazole-4-sulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



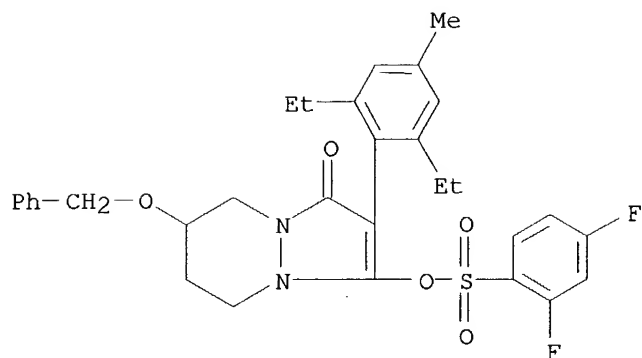
RN 329964-04-7 HCAPLUS

CN 1-Propanesulfonic acid, 3-chloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



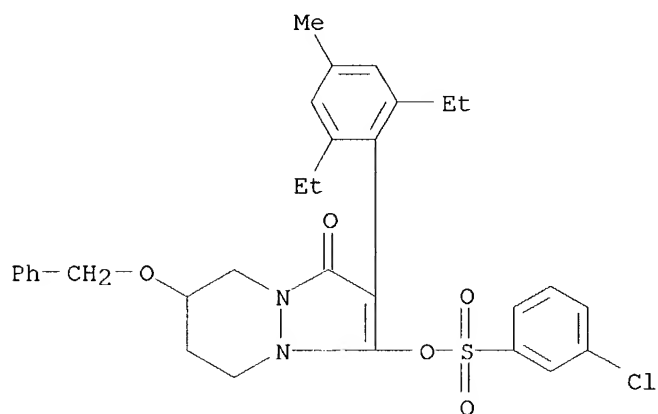
RN 329964-06-9 HCAPLUS

CN Benzenesulfonic acid, 2,4-difluoro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



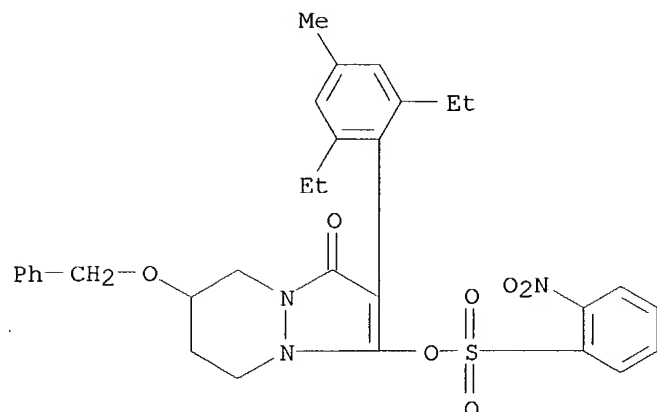
RN 329964-08-1 HCAPLUS

CN Benzenesulfonic acid, 3-chloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



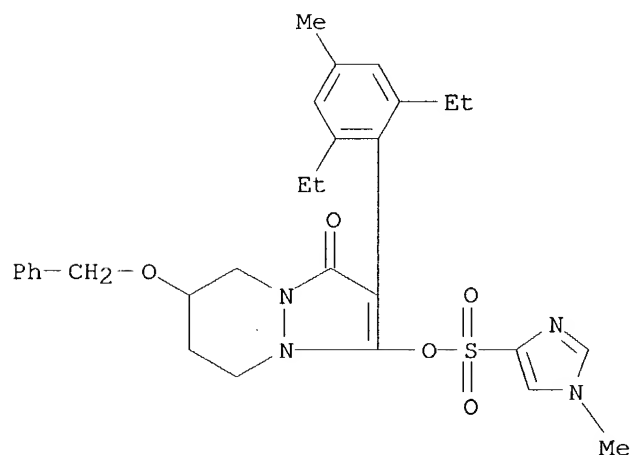
RN 329964-09-2 HCAPLUS

CN Benzenesulfonic acid, 2-nitro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



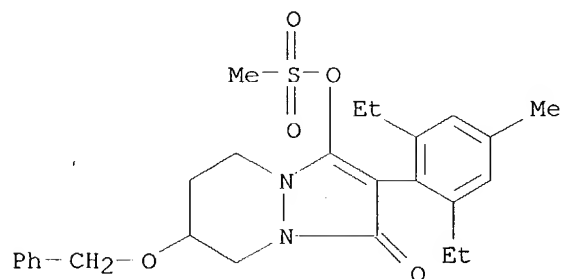
RN 329964-10-5 HCAPLUS

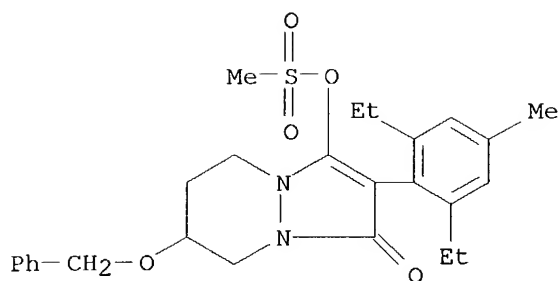
CN 1H-Imidazole-4-sulfonic acid, 1-methyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 329964-11-6 HCAPLUS

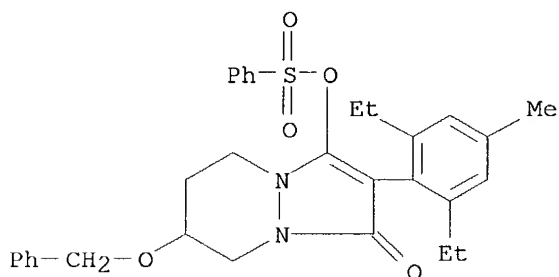
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-3-[(methylsulfonyl)oxy]-7-(phenylmethoxy)- (9CI) (CA INDEX NAME)





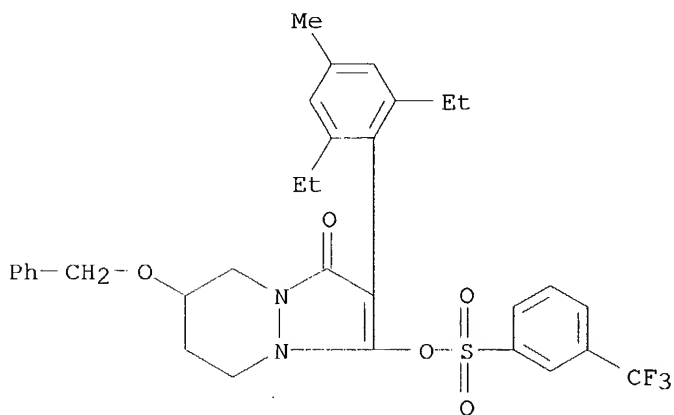
RN 329964-12-7 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(phenylmethoxy)-3-[(phenylsulfonyl)oxy]- (9CI) (CA INDEX NAME)



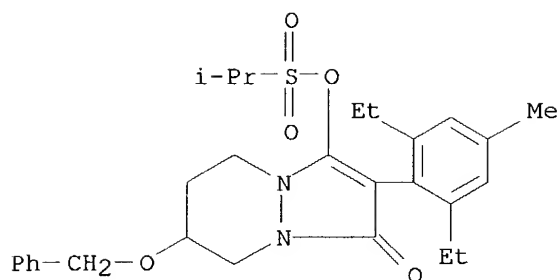
RN 329964-13-8 HCAPLUS

CN Benzenesulfonic acid, 3-(trifluoromethyl)-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



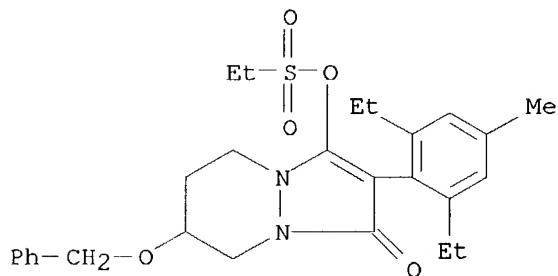
RN 329964-14-9 HCAPLUS

CN 2-Propanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



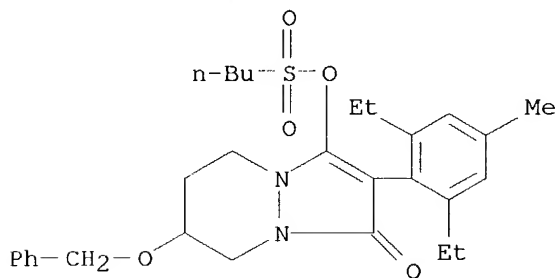
RN 329964-15-0 HCAPLUS

CN Ethanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



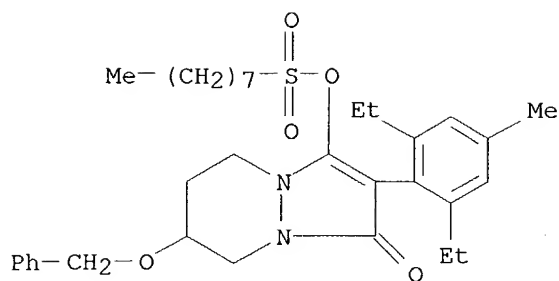
RN 329964-17-2 HCAPLUS

CN 1-Butanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



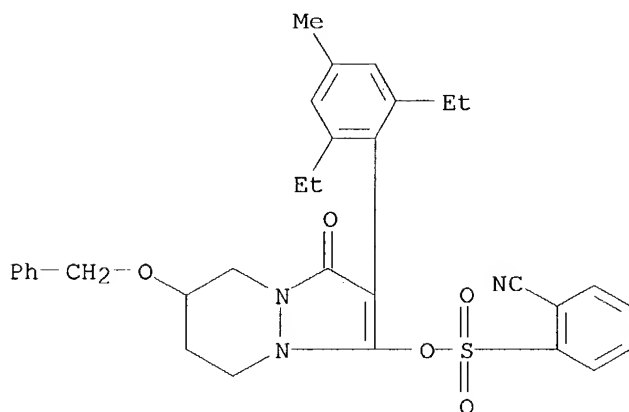
RN 329964-18-3 HCAPLUS

CN 1-Octanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



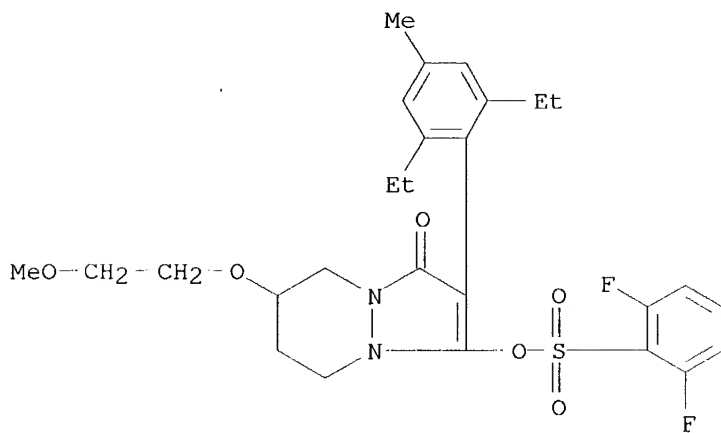
RN 329964-20-7 HCAPLUS

CN Benzenesulfonic acid, 2-cyano-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-1-oxo-7-(phenylmethoxy)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



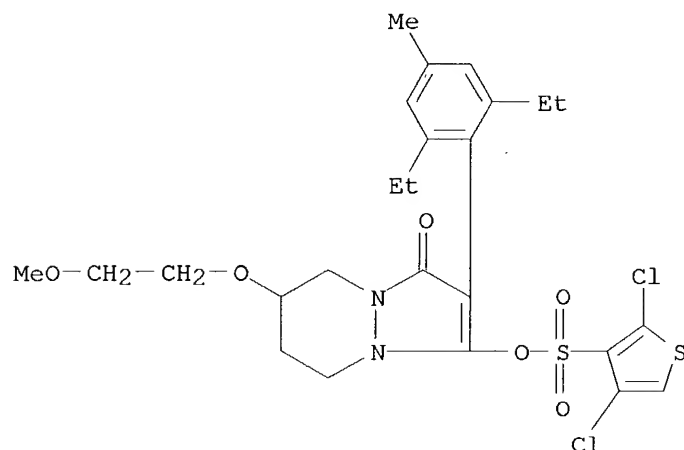
RN 329964-21-8 HCAPLUS

CN Benzenesulfonic acid, 2,6-difluoro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



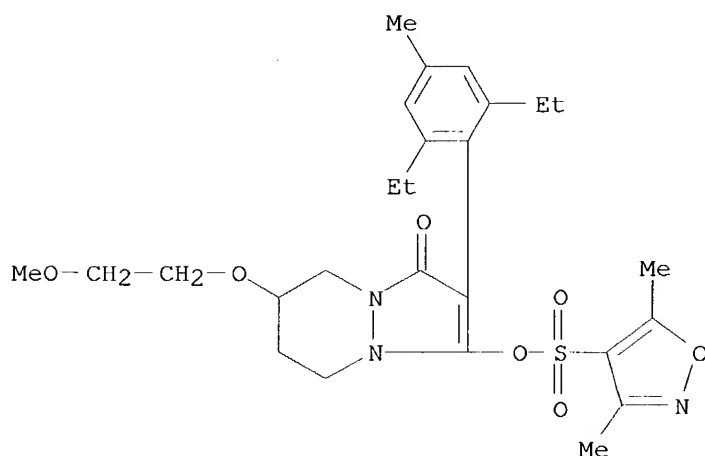
RN 329964-22-9 HCAPLUS

CN 3-Thiophenesulfonic acid, 2,4-dichloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



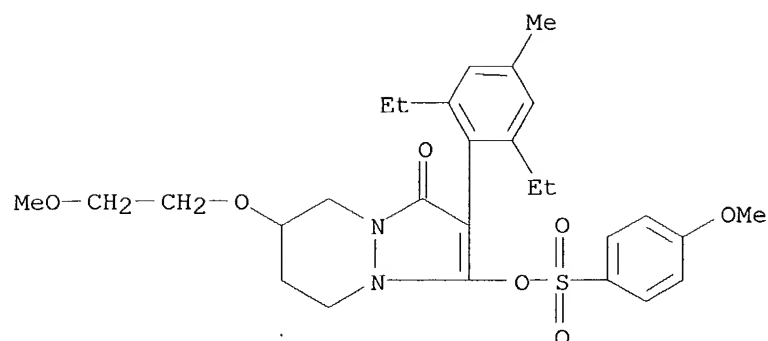
RN 329964-23-0 HCAPLUS

CN 4-Isoxazolesulfonic acid, 3,5-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



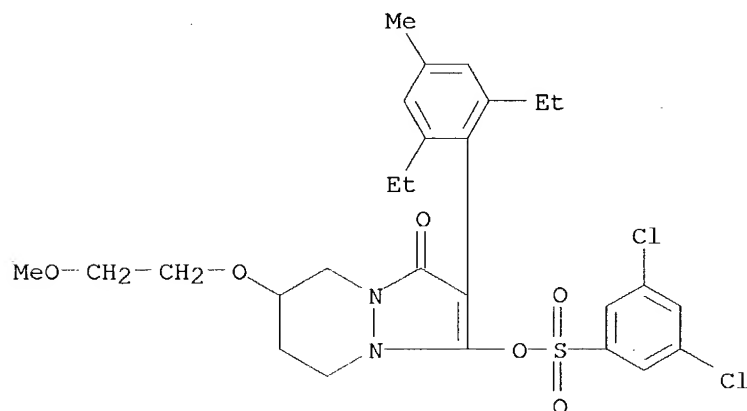
RN 329964-24-1 HCAPLUS

CN Benzenesulfonic acid, 4-methoxy-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



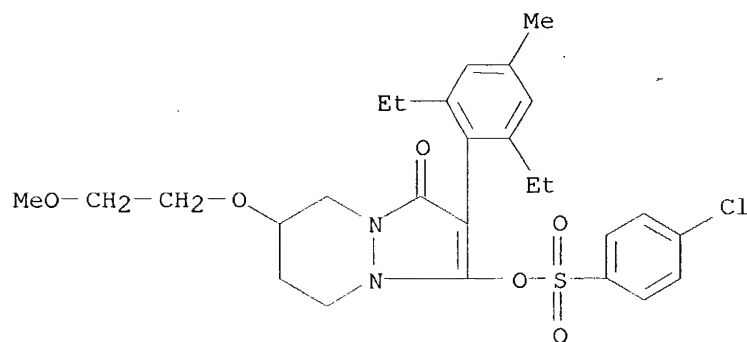
RN 329964-25-2 HCAPLUS

CN Benzenesulfonic acid, 3,5-dichloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

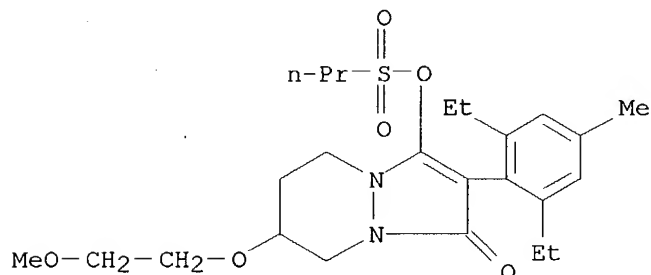


RN 329964-27-4 HCAPLUS

CN Benzenesulfonic acid, 4-chloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

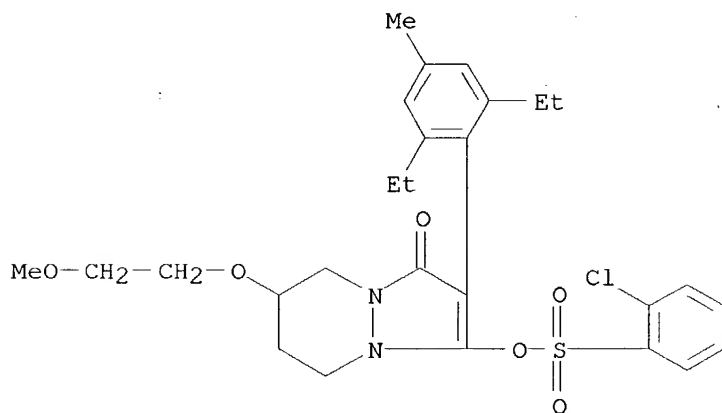


RN 329964-29-6 HCAPLUS

CN 1-Propanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI)
(CA INDEX NAME)

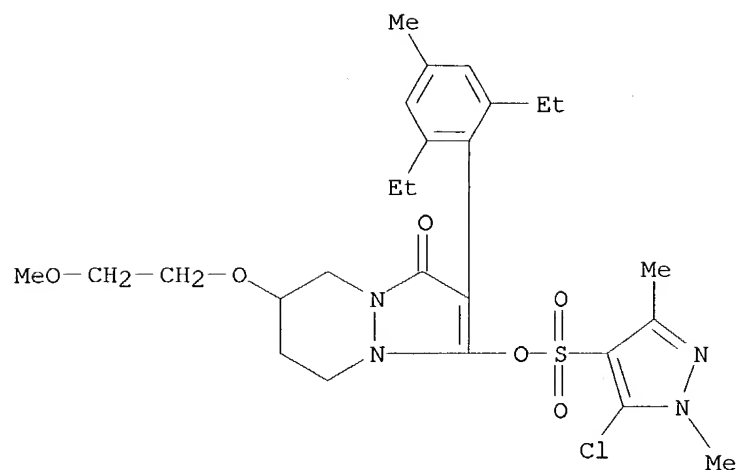
RN 329964-30-9 HCAPLUS

CN Benzenesulfonic acid, 2-chloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



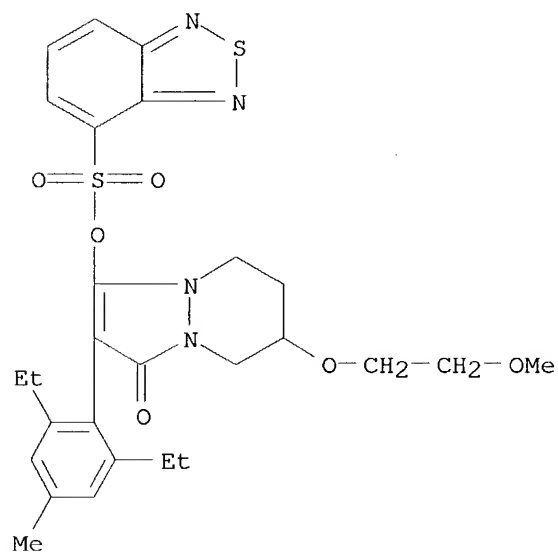
RN 329964-31-0 HCAPLUS

CN 1H-Pyrazole-4-sulfonic acid, 5-chloro-1,3-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



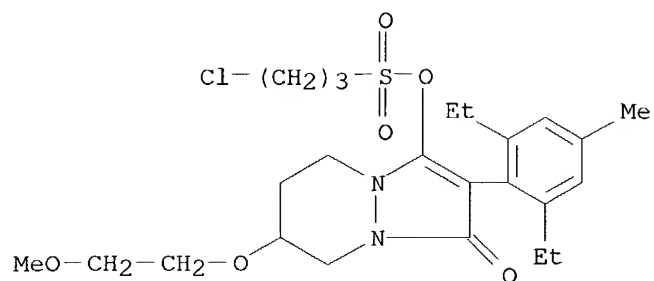
RN 329964-33-2 HCAPLUS

CN 2,1,3-Benzothiadiazole-4-sulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



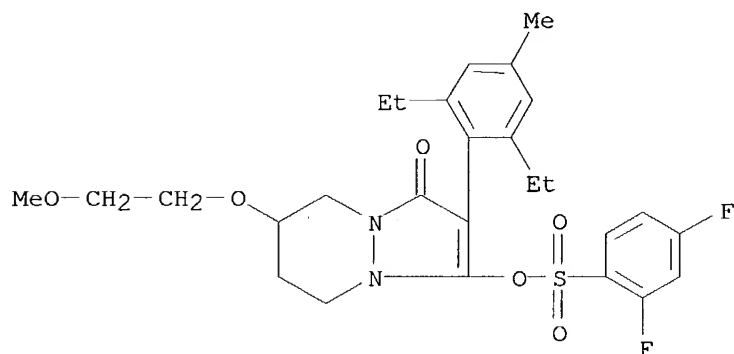
RN 329964-34-3 HCAPLUS

CN 1-Propanesulfonic acid, 3-chloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



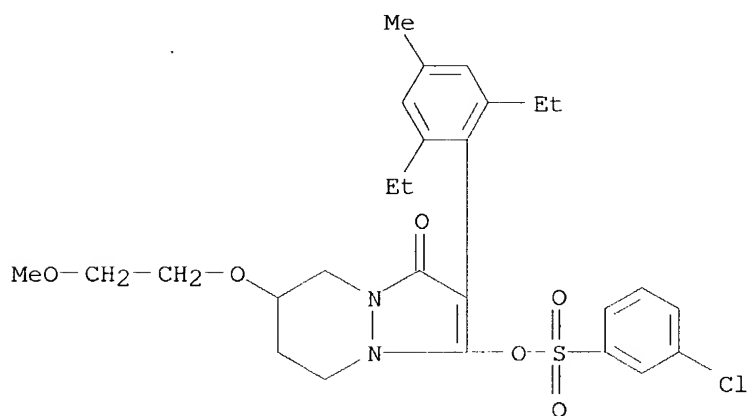
RN 329964-35-4 HCAPLUS

CN Benzenesulfonic acid, 2,4-difluoro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



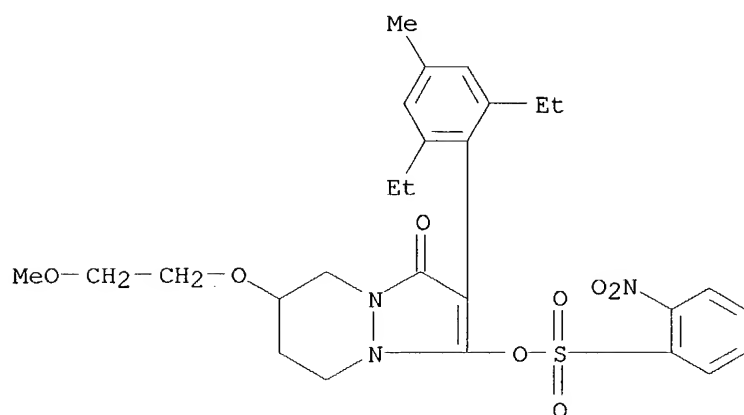
RN 329964-37-6 HCAPLUS

CN Benzenesulfonic acid, 3-chloro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



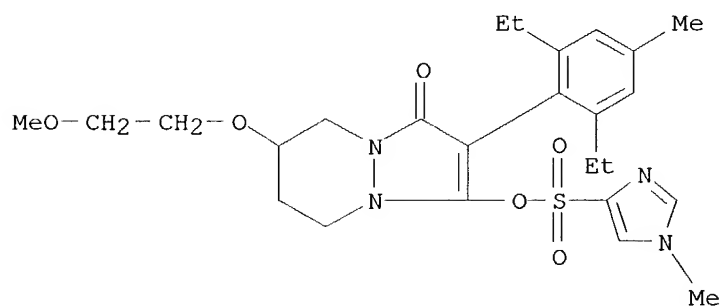
RN 329964-38-7 HCAPLUS

CN Benzenesulfonic acid, 2-nitro-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



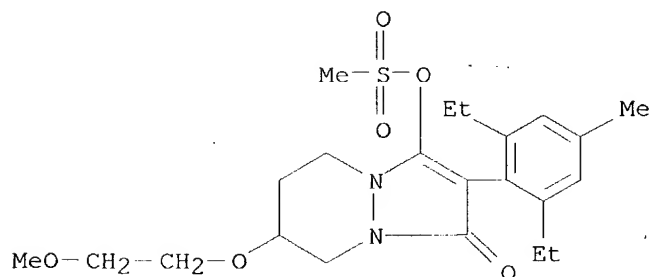
RN 329964-40-1 HCAPLUS

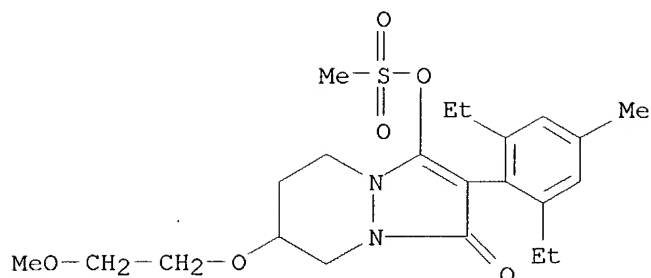
CN 1H-Imidazole-4-sulfonic acid, 1-methyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 329964-41-2 HCAPLUS

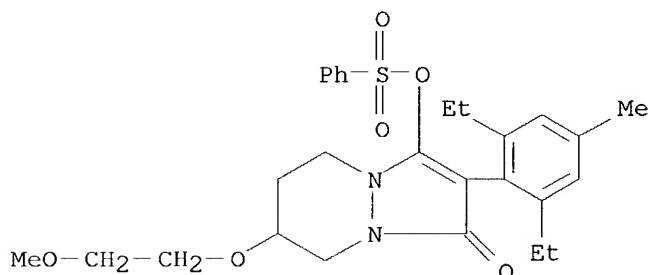
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-3-[(methylsulfonyl)oxy]- (9CI) (CA INDEX NAME)





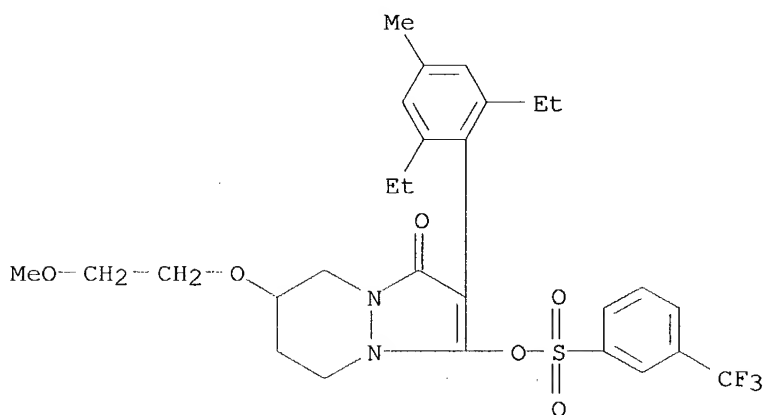
RN 329964-42-3 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-3-[(phenylsulfonyl)oxy]- (9CI) (CA INDEX NAME)



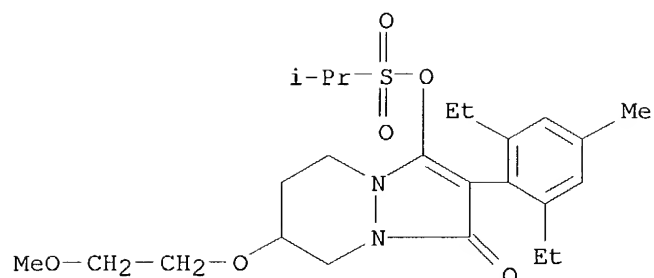
RN 329964-43-4 HCAPLUS

CN Benzenesulfonic acid, 3-(trifluoromethyl)-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



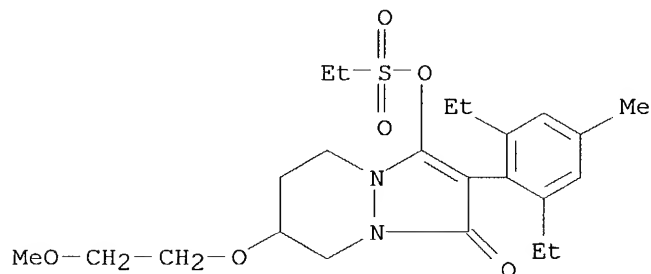
RN 329964-44-5 HCAPLUS

CN 2-Propanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



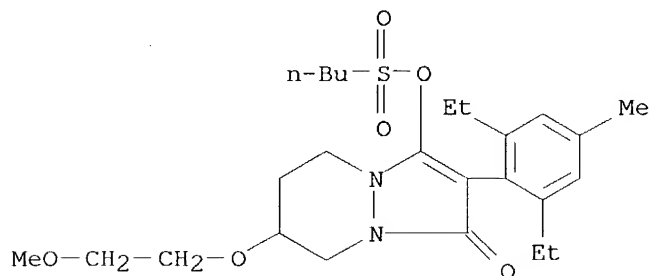
RN 329964-45-6 HCAPLUS

CN Ethanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



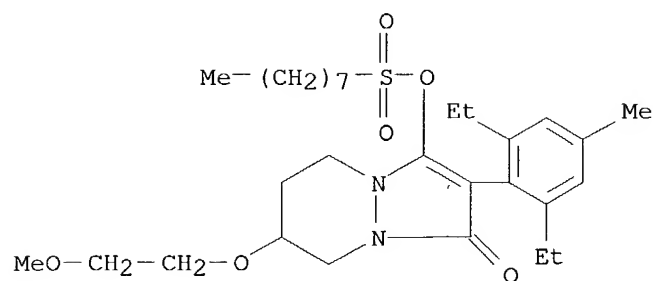
RN 329964-47-8 HCAPLUS

CN 1-Butanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



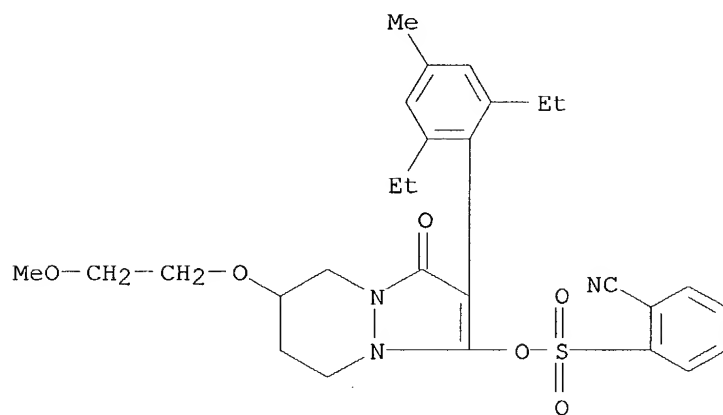
RN 329964-49-0 HCAPLUS

CN 1-Octanesulfonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



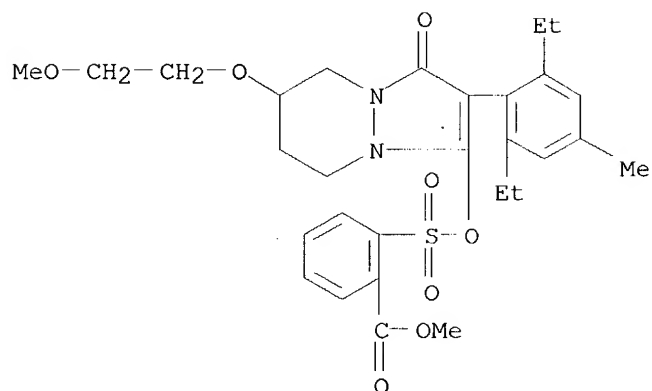
RN 329964-51-4 HCAPLUS

CN Benzenesulfonic acid, 2-cyano-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



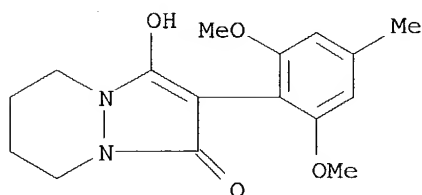
RN 329964-52-5 HCAPLUS

CN Benzoic acid, 2-[[[2-(2,6-diethyl-4-methylphenyl)-5,6,7,8-tetrahydro-7-(2-methoxyethoxy)-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl]oxy]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



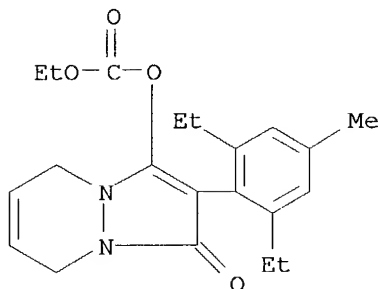
RN 329964-54-7 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-(2,6-dimethoxy-4-methylphenyl)-5,6,7,8-tetrahydro-3-hydroxy- (9CI) (CA INDEX NAME)



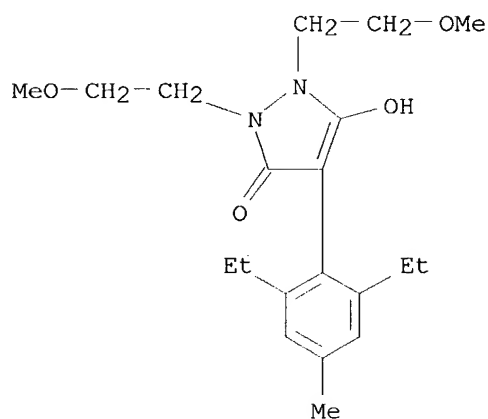
RN 329964-56-9 HCAPLUS

CN Carbonic acid, 2-(2,6-diethyl-4-methylphenyl)-5,8-dihydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ethyl ester (9CI) (CA INDEX NAME)



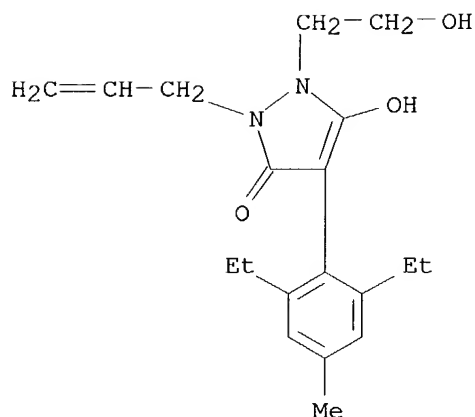
RN 329964-58-1 HCAPLUS

CN 3H-Pyrazol-3-one, 4-(2,6-diethyl-4-methylphenyl)-1,2-dihydro-5-hydroxy-1,2-bis(2-methoxyethyl)- (9CI) (CA INDEX NAME)



RN 329964-60-5 HCAPLUS

CN 3H-Pyrazol-3-one, 4-(2,6-diethyl-4-methylphenyl)-1,2-dihydro-5-hydroxy-1-(2-hydroxyethyl)-2-(2-propenyl)- (9CI) (CA INDEX NAME)



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ACCESSION NUMBER: 2001:185499 HCAPLUS

DOCUMENT NUMBER: 134:203787

TITLE: Preparation of pyrazole derivative herbicides for use with safeners

INVENTOR(S): Glock, Jutta; Friedmann, Adrian Alberto; Cornes, Derek

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001017352	A1	20010315	WO 2000-EP8659	20000905
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
EP 1209973	A1	20020605	EP 2000-962443	20000905
R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL	
AU 762436	B2	20030626	AU 2000-74172	20000905
US 6555499	B1	20030429	US 2002-69829	20020226
PRIORITY APPLN. INFO.:			CH 1999-1640	A 19990907
			WO 2000-EP8659	W 20000905

OTHER SOURCE(S): MARPAT 134:203787

AB The pyrazole herbicides I (R1, R2 = halo, nitro, cyano, alkyl, alkenyl, etc.; R3R4 = alkyleneoxaalkylene; G = H, COCMe3, CO2Et, etc.) are prepd. for use with safeners, selected from cloquintocet, an alkali, alk. earth, sulfonium or ammonium salt of cloquintocet, cloquintocet-mexyl, mefenpyr,

an alkali, alk. earth, sulfonium or ammonium salt of a mefenpyr and mefenpyr-diethyl, and formulated with an additive contg. a vegetable or animal oil or a mineral oil, an alkyl ester of the oil, or mixts. of the oils and oil derivs.

IC ICM A01N043-90

ICS A01N047-18; A01N047-06; A01N043-90; A01N043-56; A01N043-42;
A01N037-06; A01N037-02; A01N027-00; A01N025-32; A01N047-18;
A01N043-56; A01N043-42; A01N037-06; A01N037-02; A01N027-00;
A01N025-32; A01N047-06; A01N043-56; A01N043-42

CC 5-3 (Agrochemical Bioregulators)

Section cross-reference(s): 28

IT **Herbicides**

(prepn. of pyrazole deriv. herbicides for use with safeners)

IT 34604-52-9P **243973-68-4P** 243973-69-5P 243973-70-8P
243973-71-9P 243973-72-0P 243973-73-1P 243973-74-2P 243973-75-3P
314020-44-5P 328932-71-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate in prepn. of pyrazole deriv. **herbicide** for use with safeners)

IT **243973-17-3P 243973-18-4P 243973-19-5P**
243973-22-0P 243973-23-1P 243973-24-2P
243973-25-3P 243973-26-4P 243973-27-5P
243973-28-6P 243973-29-7P 243973-30-0P
243973-31-1P 243973-32-2P 243973-33-3P
243973-34-4P 328932-72-5P 328932-73-6P
328932-74-7P 328932-75-8P 328932-76-9P
328932-77-0P 328932-78-1P 328932-79-2P
328932-80-5P 328932-81-6P 328932-82-7P
328932-83-8P 328932-84-9P 328932-85-0P
328932-86-1P 328932-88-3P 328932-89-4P
328932-90-7P 328932-91-8P 328932-92-9P
328932-93-0P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. as **herbicide** for use with safeners)

IT **243973-20-8P**

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. as **herbicides** for use with safeners)

IT 88349-88-6D, Cloquintocet, mixts. with pyrazole deriv. herbicides
88349-88-6D, Cloquintocet, sulfonium salt, mixts. with pyrazole deriv.
herbicides 88350-58-7D, Cloquintocet ammonium salt, mixts. with pyrazole
deriv. herbicides 99607-70-2D, Cloquintocet-mexyl, mixts. with pyrazole
deriv. herbicides **135590-91-9D**, Mefenpyr-diethyl, mixts. with
pyrazole deriv. herbicides **135591-00-3**, Mefenpyr

135591-00-3D, sulfonium salt, mixts. with pyrazole deriv.

herbicides **328933-01-3D**, mixts. with pyrazole deriv. herbicides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(safened herbicidal compns.)

IT **328932-94-1 328932-95-2 328932-96-3**
328932-97-4 328932-98-5 328932-99-6
328933-00-2

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(safened **herbicide**)

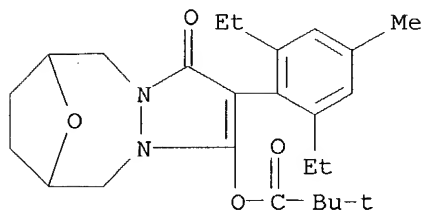
IT **243973-68-4P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)

(intermediate in prepn. of pyrazole deriv. **herbicide** for use with safeners)

RN 243973-68-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8,9,10-hexahydro-1-oxo-6,9-epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-3-yl ester (9CI)
(CA INDEX NAME)

IT 243973-17-3P 243973-18-4P 243973-19-5P

243973-22-0P 243973-23-1P 243973-24-2P

243973-25-3P 243973-26-4P 243973-27-5P

243973-28-6P 243973-29-7P 243973-30-0P

243973-31-1P 243973-32-2P 243973-33-3P

243973-34-4P 328932-72-5P 328932-73-6P

328932-74-7P 328932-75-8P 328932-76-9P

328932-77-0P 328932-78-1P 328932-79-2P

328932-80-5P 328932-81-6P 328932-82-7P

328932-83-8P 328932-84-9P 328932-85-0P

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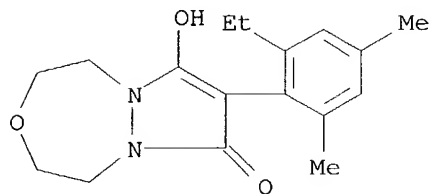
328932-93-0P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. as **herbicide** for use with safeners)

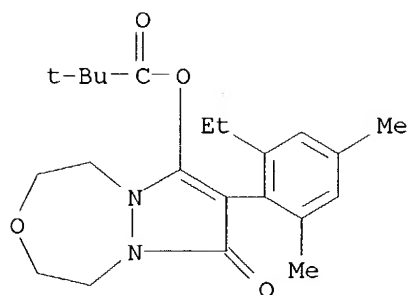
RN 243973-17-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



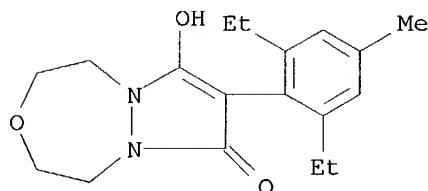
RN 243973-18-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



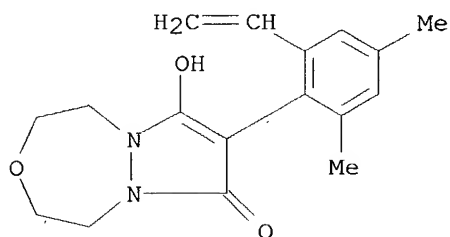
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



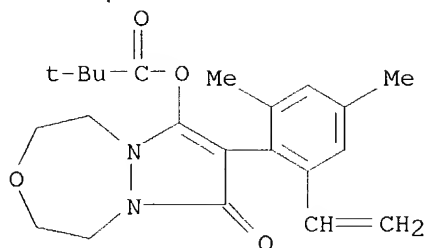
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethenyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



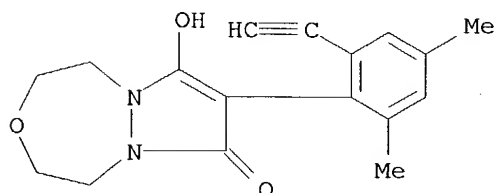
RN 243973-23-1 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethenyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



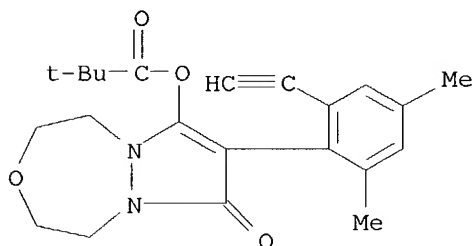
RN 243973-24-2 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethynyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



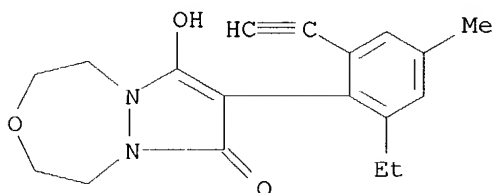
RN 243973-25-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethynyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



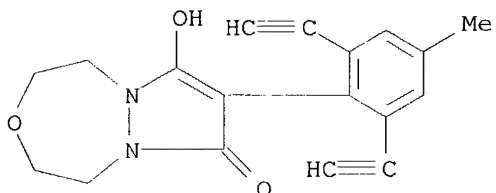
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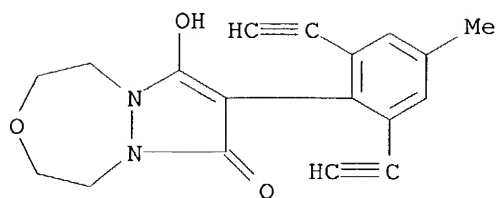
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-6-ethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



RN 243973-27-5 HCAPLUS

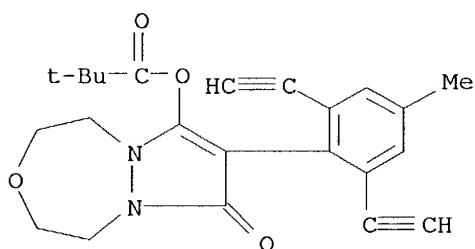
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)





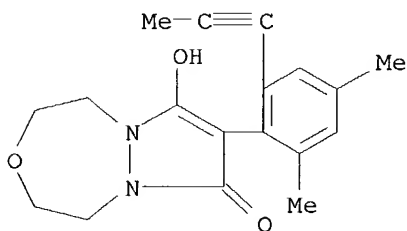
RN 243973-28-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



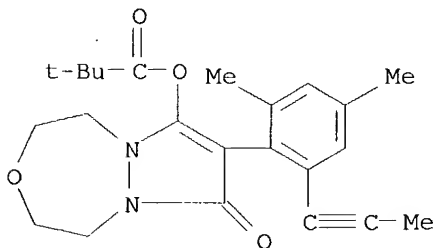
RN 243973-29-7 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,4-dimethyl-6-(1-propynyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



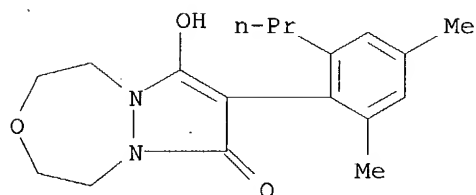
RN 243973-30-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2,4-dimethyl-6-(1-propynyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



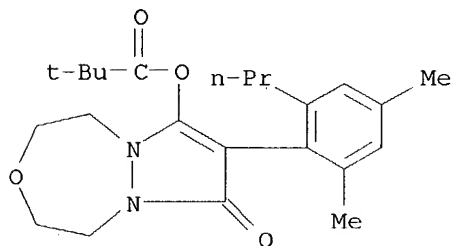
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,4-dimethyl-6-propylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



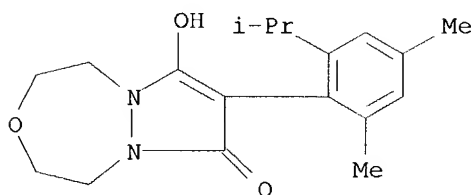
RN 243973-32-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,4-dimethyl-6-propylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



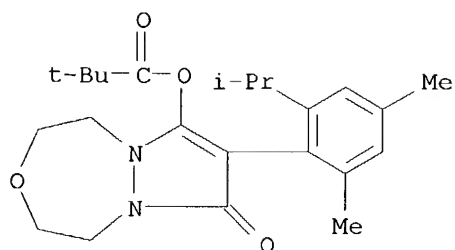
RN 243973-33-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,4-dimethyl-6-(1-methylethyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



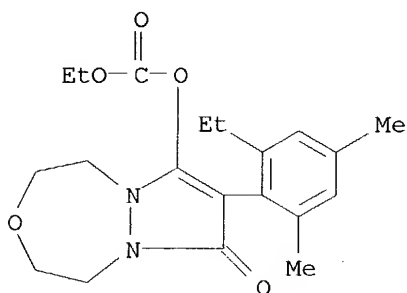
RN 243973-34-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2,4-dimethyl-6-(1-methylethyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



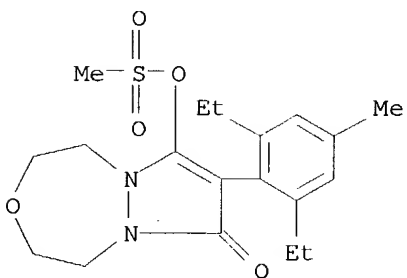
RN 328932-72-5 HCAPLUS

CN Carbonic acid, ethyl 8-(2-ethyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



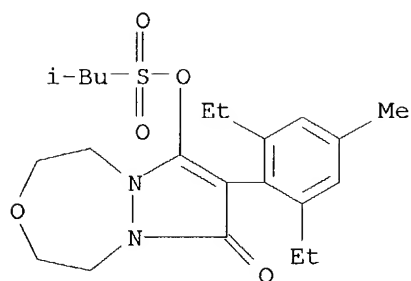
RN 328932-73-6 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-[(methylsulfonyl)oxy]- (9CI) (CA INDEX NAME)



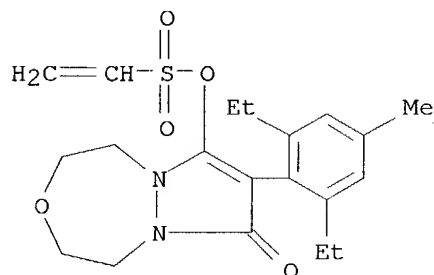
RN 328932-74-7 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



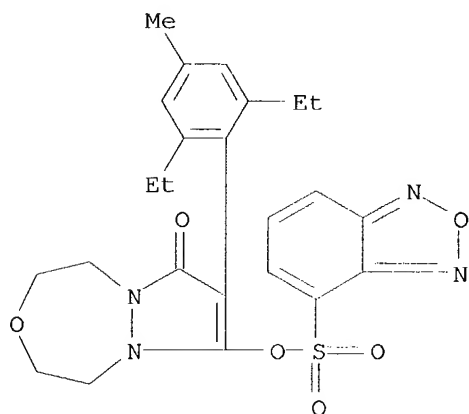
RN 328932-75-8 HCAPLUS

CN Ethenesulfonic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



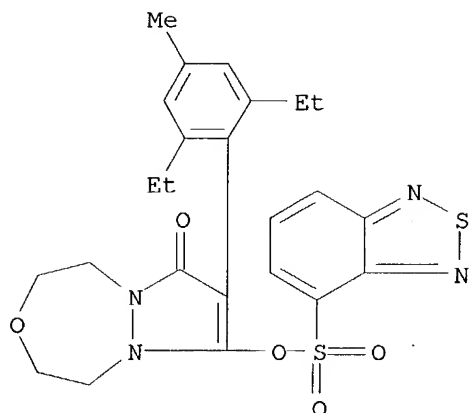
RN 328932-76-9 HCAPLUS

CN 2,1,3-Benzoxadiazole-4-sulfonic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



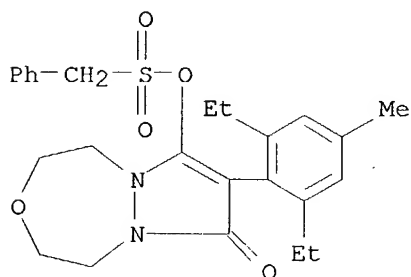
RN 328932-77-0 HCAPLUS

CN 2,1,3-Benzothiadiazole-4-sulfonic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



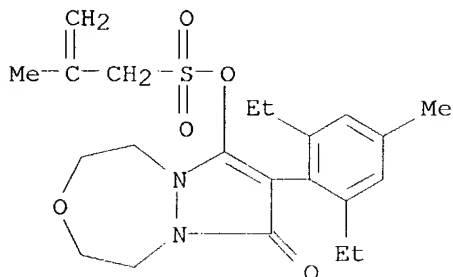
RN 328932-78-1 HCAPLUS

CN Benzenemethanesulfonic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



RN 328932-79-2 HCAPLUS

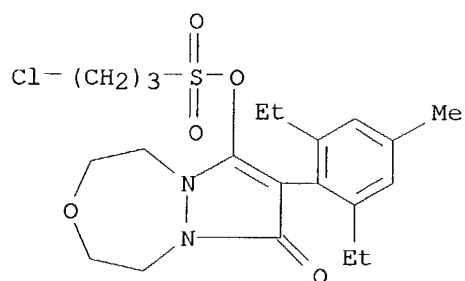
CN 2-Propene-1-sulfonic acid, 2-methyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



RN 328932-80-5 HCAPLUS

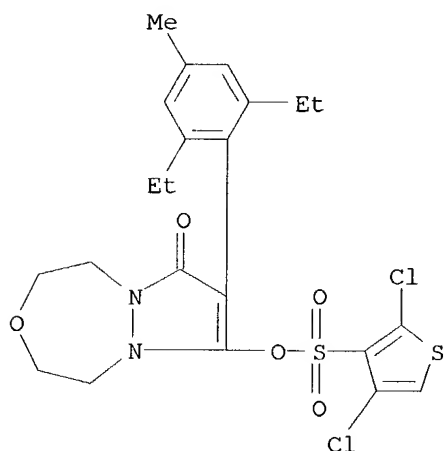
CN 1-Propanesulfonic acid, 3-chloro-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)

(CA INDEX NAME)



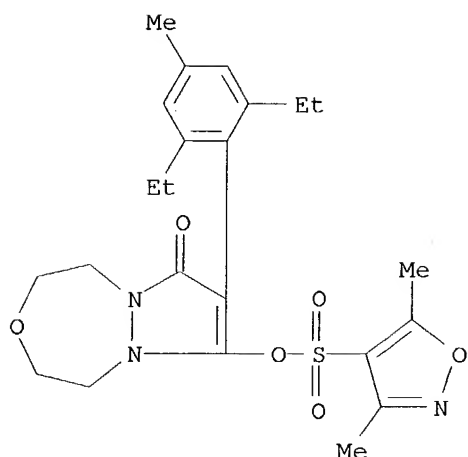
RN 328932-81-6 HCAPLUS

CN 3-Thiophenesulfonic acid, 2,4-dichloro-, 8-(2,6-diethyl-4-methylphenyl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



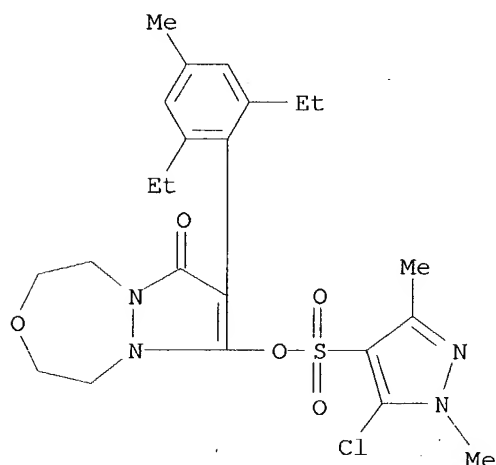
RN 328932-82-7 HCAPLUS

CN 4-Isoxazolesulfonic acid, 3,5-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



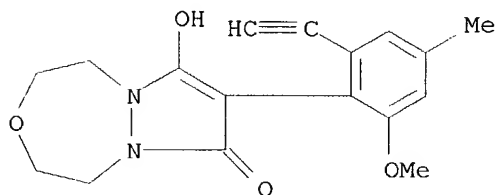
RN 328932-83-8 HCAPLUS

CN 1H-Pyrazole-4-sulfonic acid, 5-chloro-1,3-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



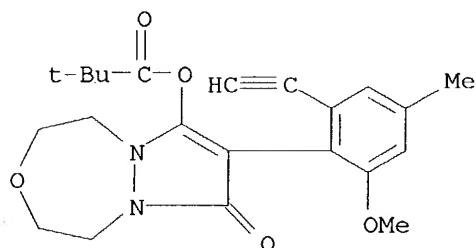
RN 328932-84-9 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethynyl-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



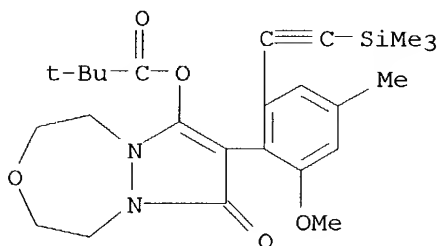
RN 328932-85-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethynyl-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



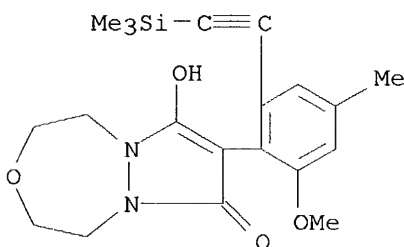
RN 328932-86-1 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1,2,4,5-tetrahydro-8-[2-methoxy-4-methyl-6-[(trimethylsilyl)ethynyl]phenyl]-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



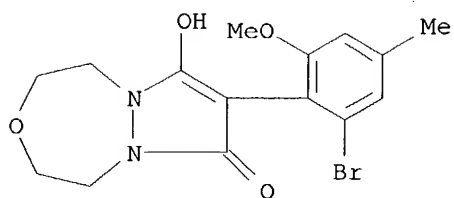
RN 328932-88-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 1,2,4,5-tetrahydro-9-hydroxy-8-[2-methoxy-4-methyl-6-[(trimethylsilyl)ethynyl]phenyl]- (9CI) (CA INDEX NAME)



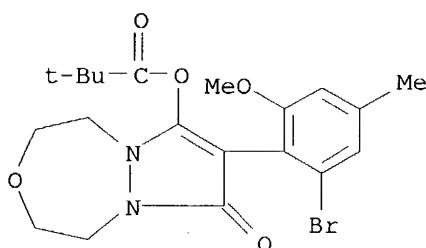
RN 328932-89-4 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-bromo-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



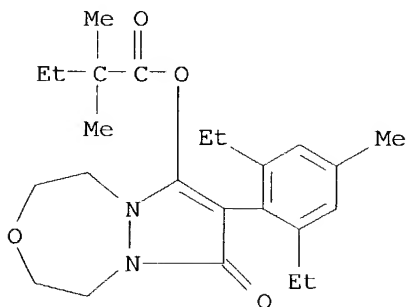
RN 328932-90-7 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-bromo-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



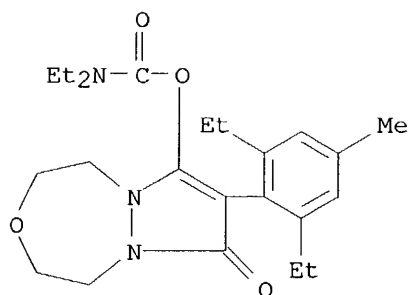
RN 328932-91-8 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



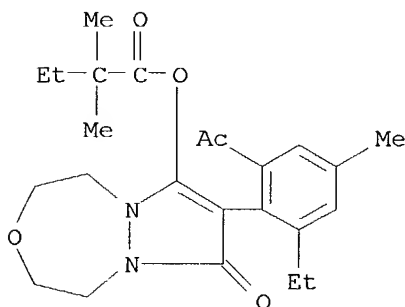
RN 328932-92-9 HCAPLUS

CN Carbamic acid, diethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



RN 328932-93-0 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, 8-(2-acetyl-6-ethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)

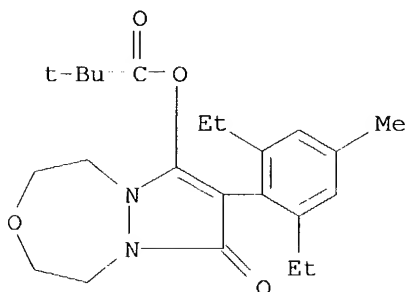


IT 243973-20-8P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. as **herbicides** for use with safeners)

RN 243973-20-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)

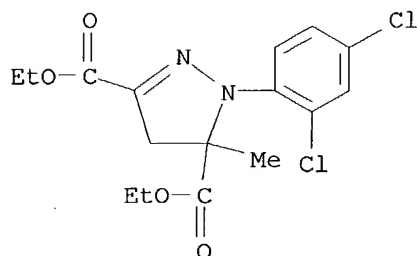


IT 135590-91-9D, Mefenpyr-diethyl, mixts. with pyrazole deriv. herbicides 135591-00-3, Mefenpyr 135591-00-3D, sulfonium salt, mixts. with pyrazole deriv. herbicides 328933-01-3D, mixts. with pyrazole deriv. herbicides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safened herbicidal compns.)

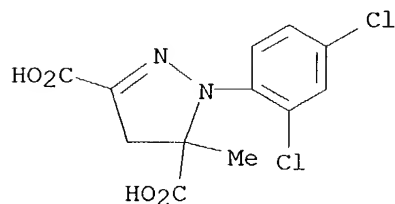
RN 135590-91-9 HCAPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, diethyl ester (9CI) (CA INDEX NAME)



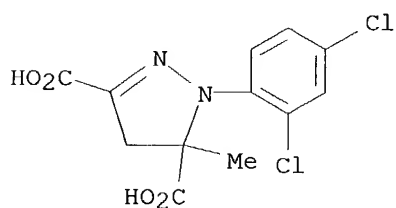
RN 135591-00-3 HCAPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl- (9CI) (CA INDEX NAME)



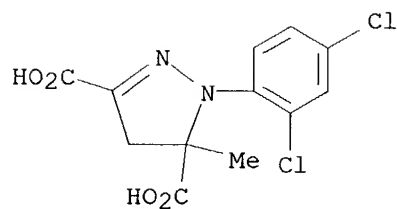
RN 135591-00-3 HCAPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl- (9CI) (CA INDEX NAME)



RN 328933-01-3 HCAPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, diammonium salt (9CI) (CA INDEX NAME)



● 2 NH₃

IT 328932-94-1 328932-95-2 328932-96-3
 328932-97-4 328932-98-5 328932-99-6
 328933-00-2

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (safened **herbicide**)

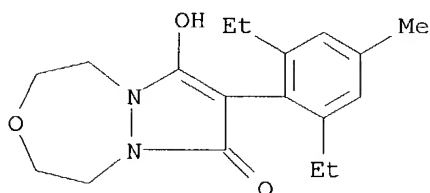
RN 328932-94-1 HCAPLUS

CN Acetic acid, [(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester, mixt.
 with 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy-7H-
 pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one (9CI) (CA INDEX NAME)

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CRN 243973-19-5

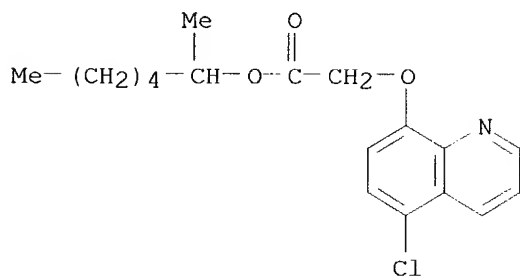
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CRN 99607-70-2

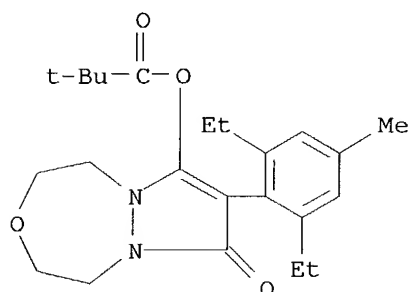
CMF C18 H22 Cl N O3



RN 328932-95-2 HCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, mixt. with 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate (9CI) (CA INDEX NAME)

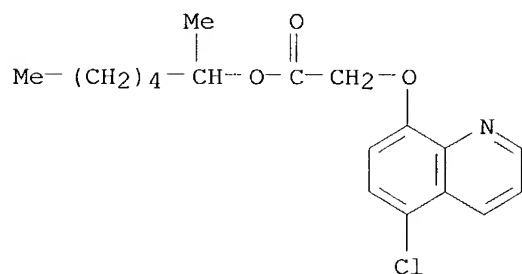
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CM 2

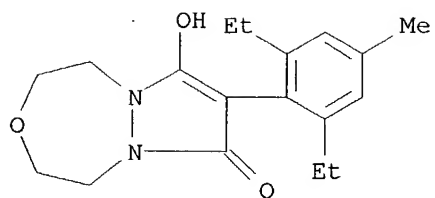
CRN 99607-70-2
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RN 328932-96-3 HCAPLUS
 CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy-, mixt. with Merge (9CI) (CA INDEX NAME)

CM 1

CRN 243973-19-5
 CMF C18 H24 N2 O3



CM 2

CRN 147230-14-6

CMF Unspecified

CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

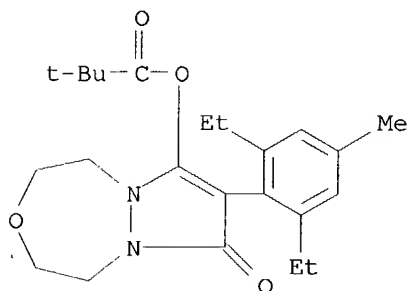
RN 328932-97-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, mixt. with Merge (9CI) (CA INDEX NAME)

CM 1

CRN 243973-20-8

CMF C23 H32 N2 O4



CM 2

CRN 147230-14-6

CMF Unspecified

CCI MAN

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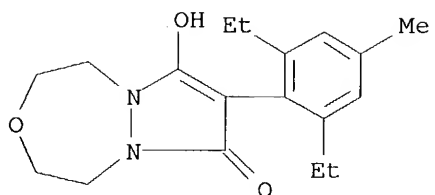
RN 328932-98-5 HCAPLUS

CN Acetic acid, [(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester, mixt. with 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one and Merge (9CI) (CA INDEX NAME)

CM 1

CRN 243973-19-5

CMF C18 H24 N2 O3



CM 2

CRN 147230-14-6

CMF Unspecified

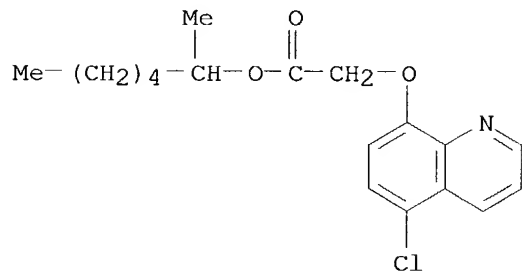
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CM 3

CRN 99607-70-2

CMF C18 H22 Cl N O3



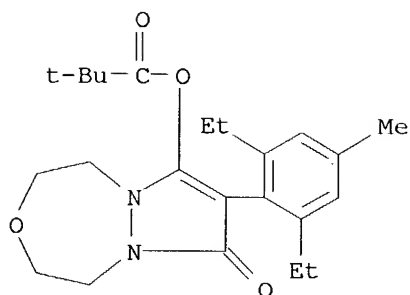
RN 328932-99-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, mixt. with Merge and 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 243973-20-8

CMF C23 H32 N2 O4



CM 2

CRN 147230-14-6

CMF Unspecified

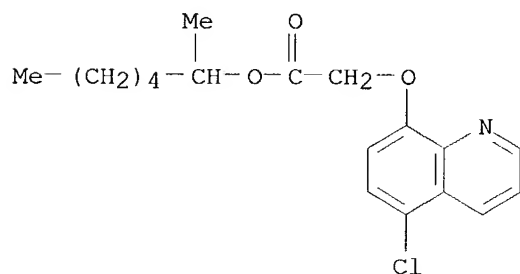
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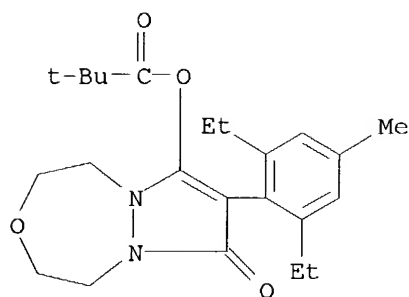
RN 328933-00-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, mixt. with Amigo and 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 243973-20-8

CMF C23 H32 N2 O4



CM 2

CRN 159605-28-4

CMF Unspecified

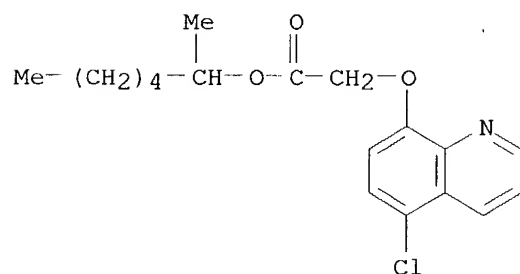
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CM 3

CRN 99607-70-2

CMF C18 H22 Cl N O3



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 7 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:185498 HCAPLUS

DOCUMENT NUMBER: 134:218317

TITLE: Optionally-safened synergistic herbicidal compositions and preparation of the pyrazole derivative component

INVENTOR(S): Glock, Jutta; Friedmann, Adrian Alberto; Cornes, Derek

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 54 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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    LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
    SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
    YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW:  GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
    DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
    CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1209972          A1      20020605          EP 2000-960605      20000905
EP 1209972          B1      20030528
R:   AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
    IE, SI, LT, LV, FI, RO, MK, CY, AL
AT 241272          E      20030615          AT 2000-960605      20000905
AU 762346          B2      20030626          AU 2000-72844       20000905
PRIORITY APPLN. INFO.:
                                CH 1999-1641      A      19990907
                                WO 2000-EP8658      W      20000905

OTHER SOURCE(S):      MARPAT 134:218317
AB  An optionally safened synergistic selective herbicidal compn. comprises:
    (a) a pyrazole deriv. I (R1, R3 = halo, nitro, cyano, alkyl, alkenyl,
    etc.; R4R5 = CH2CH2OCH2CH2, etc.; G = H COCMe3, CO2Et, etc.); (b) a
    herbicide selected from phenoxyphenoxypropionic acids, hydroxylamines,
    sulfonylureas, imidazolinones, pyrimidines, triazines, ureas, PPO,
    chloroacetanilides, phenoxyacetic acids, triazinones, dinitroanilines,
    azinones, carbamates, oxyacetamides, thiolcarbamates, azole-ureas, benzoic
    acids, anilides, nitriles, triones and sulfonamides, as well as from
    amitrol, benfuresate, bentazone, cinmethylin, clomazone, clopyralid,
    difenzoquat, dithiopyr, ethofumesate, flurochloridone, indanofan,
    isoxaben, oxaziclonofone, pyridate, pyridafol, quinclorac, quinmerac,
    tridiphane and flamprop; and optionally (c) a safener selected from
    cloquintocet, an alkali, alk. earth, sulfonium or ammonium salt of
    cloquintocet, cloquintocet-mexyl, mefenpyr, an alkali, alk. earth,
    sulfonium or ammonium salt of mefenpyr and mefenpyr-diethyl; and/or (d) an
    additive comprising an oil of vegetable or animal origin, a mineral oil,
    the alkyl esters thereof or mixts. of these oils and oil derivs. The
    prepn. of I is given.
IC  ICM A01N043-90
    ICS A01N025-32; A01N043-90; A01N043-76; A01N043-40; A01N035-10;
    A01N027-00
CC  5-3 (Agrochemical Bioregulators)
    Section cross-reference(s): 28
IT  Herbicides
    (synergistic; pptionally-safened synergistic herbicidal compns. and
    prepn. of the pyrazole deriv. component)
IT  243973-17-3P 243973-18-4P 243973-19-5P
    243973-20-8P 243973-21-9P 243973-22-0P
    243973-23-1P 243973-24-2P 243973-25-3P
    243973-26-4P 243973-27-5P 243973-28-6P
    243973-29-7P 243973-30-0P 243973-31-1P
    243973-32-2P 243973-33-3P 243973-34-4P
    243973-68-4P 328932-73-6P 328932-74-7P
    328932-75-8P 328932-76-9P 328932-77-0P
    328932-78-1P 328932-80-5P 328932-81-6P
    328932-82-7P 328932-83-8P 328932-84-9P
    328932-85-0P 328932-86-1P 328932-88-3P

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328932-89-4P 328932-90-7P 328932-91-8P

328932-92-9P 328932-93-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. as component in optionally-safened synergistic
herbicidal compns.)

IT 88349-88-6D, Cloquintocet, mixts. with pyrazole deriv. herbicides and a second herbicide 88349-88-6D, Cloquintocet, sulfonium salt, mixts. with pyrazole deriv. herbicides and a second herbicide 88350-58-7D, Cloquintocet ammonium salt, mixts. with pyrazole deriv. herbicides and a second herbicide 99607-70-2D, Cloquintocet-mexyl, mixts. with pyrazole deriv. herbicides and a second herbicide **135590-91-9D**, Mefenpyr-diethyl, mixts. with pyrazole deriv. herbicides and a second herbicide **135591-00-3D**, Mefenpyr, mixts. with pyrazole deriv. herbicides and a second herbicide **135591-00-3D**, Mefenpyr, sulfonium salt, mixts. with pyrazole deriv. herbicides and a second herbicide **328933-01-3D**, Mefenpyr diammonium salt, mixts. with pyrazole deriv. herbicides and a second herbicide

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safened synergistic herbicidal compns.)

IT 329280-32-2P 329280-33-3P 329280-34-4P
329280-35-5P 329280-36-6P 329280-37-7P
329280-38-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(safened synergistic **herbicidal** compns.)

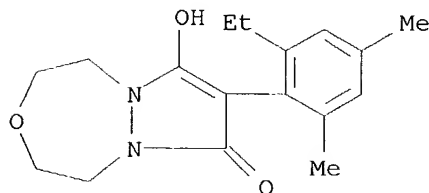
IT 243973-17-3P 243973-18-4P 243973-19-5P
243973-20-8P 243973-21-9P 243973-22-0P
243973-23-1P 243973-24-2P 243973-25-3P
243973-26-4P 243973-27-5P 243973-28-6P
243973-29-7P 243973-30-0P 243973-31-1P
243973-32-2P 243973-33-3P 243973-34-4P
243973-68-4P 328932-73-6P 328932-74-7P
328932-75-8P 328932-76-9P 328932-77-0P
328932-78-1P 328932-80-5P 328932-81-6P
328932-82-7P 328932-83-8P 328932-84-9P
328932-85-0P 328932-86-1P 328932-88-3P
328932-89-4P 328932-90-7P 328932-91-8P
328932-92-9P 328932-93-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. as component in optionally-safened synergistic
herbicidal compns.)

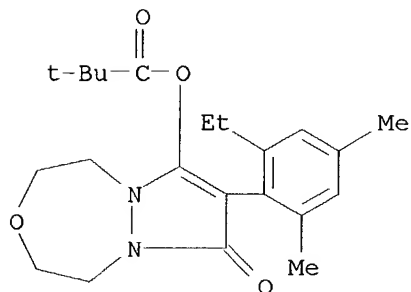
RN 243973-17-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



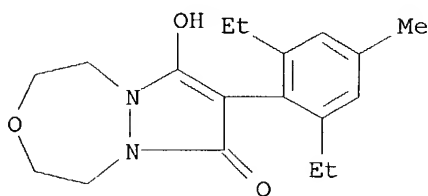
RN 243973-18-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



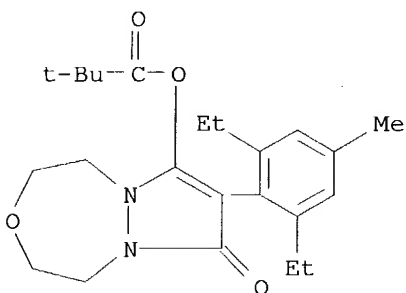
RN 243973-19-5 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



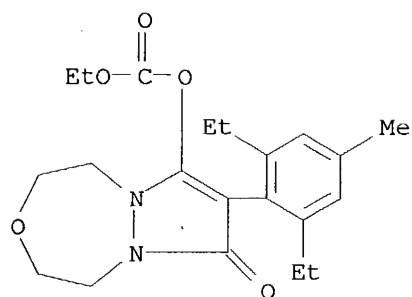
RN 243973-20-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



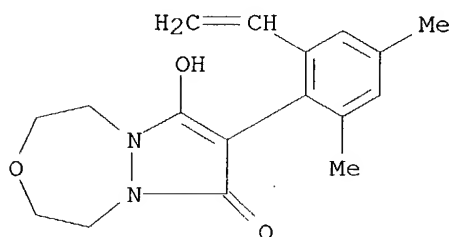
RN 243973-21-9 HCAPLUS

CN Carbonic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ethyl ester (9CI) (CA INDEX NAME)



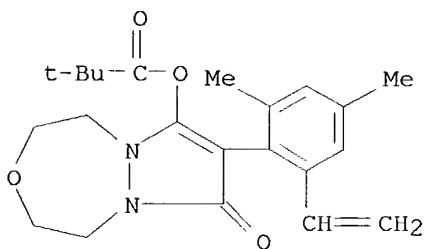
RN 243973-22-0 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethenyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



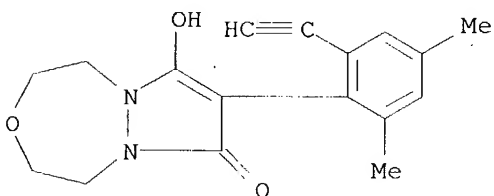
RN 243973-23-1 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethenyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)

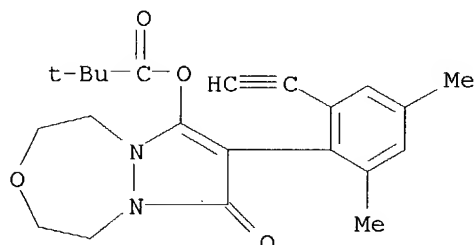


RN 243973-24-2 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethynyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)

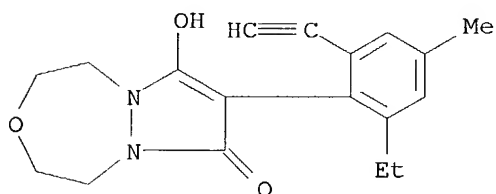


RN 243973-25-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethynyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)

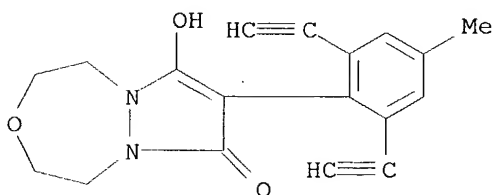
RN 243973-26-4 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-6-ethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



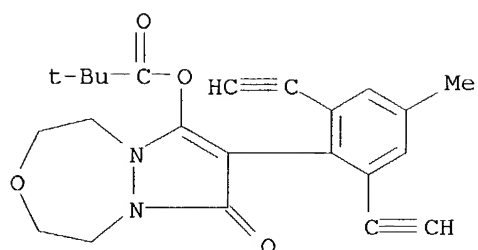
RN 243973-27-5 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



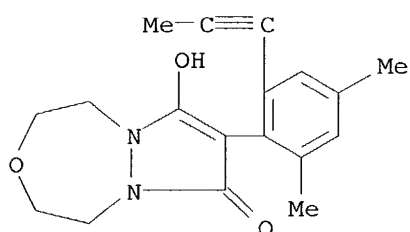
RN 243973-28-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



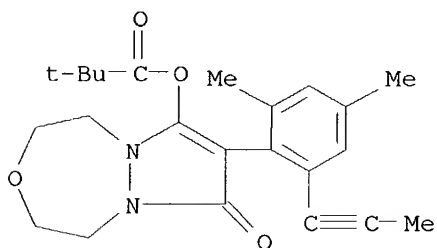
RN 243973-29-7 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,4-dimethyl-6-(1-propynyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



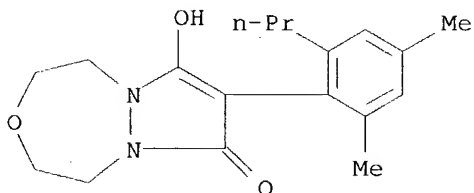
RN 243973-30-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2,4-dimethyl-6-(1-propynyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)

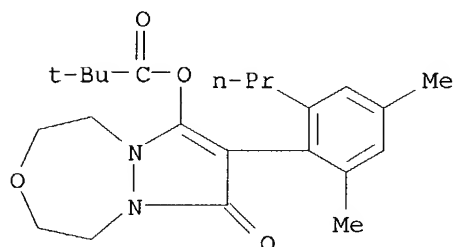


RN 243973-31-1 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,4-dimethyl-6-propylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)

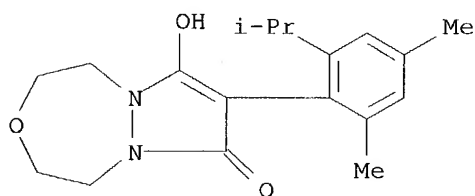


RN 243973-32-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,4-dimethyl-6-propylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)

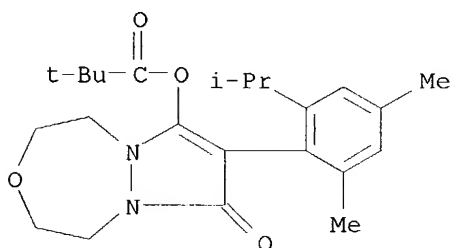
RN 243973-33-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,4-dimethyl-6-(1-methylethyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



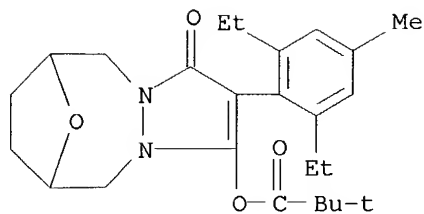
RN 243973-34-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2,4-dimethyl-6-(1-methylethyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



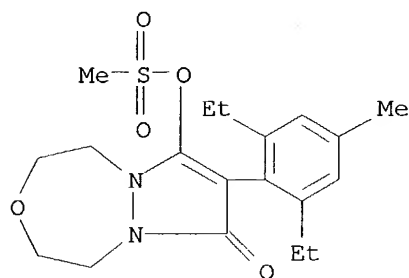
RN 243973-68-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8,9,10-hexahydro-1-oxo-6,9-epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-3-yl ester (9CI)
(CA INDEX NAME)



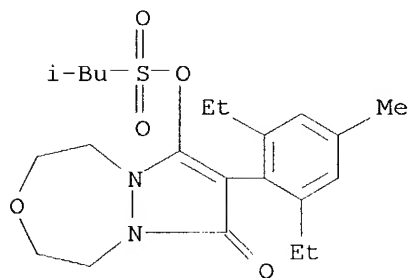
RN 328932-73-6 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-[(methanesulfonyl)oxy]- (9CI) (CA INDEX NAME)



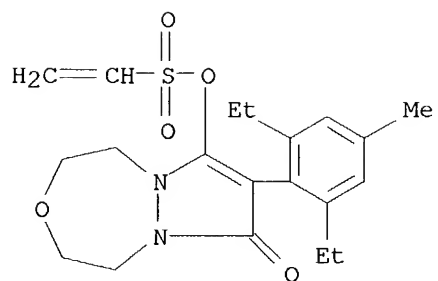
RN 328932-74-7 HCAPLUS

CN 1-Propanesulfonic acid, 2-methyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



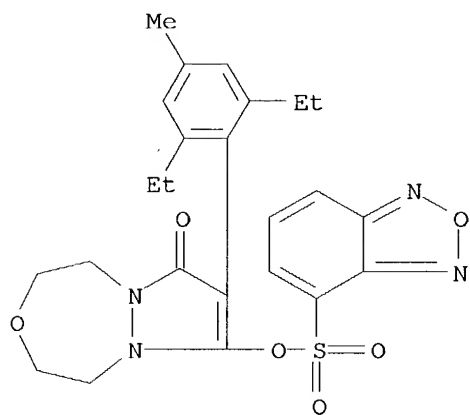
RN 328932-75-8 HCAPLUS

CN Ethenesulfonic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



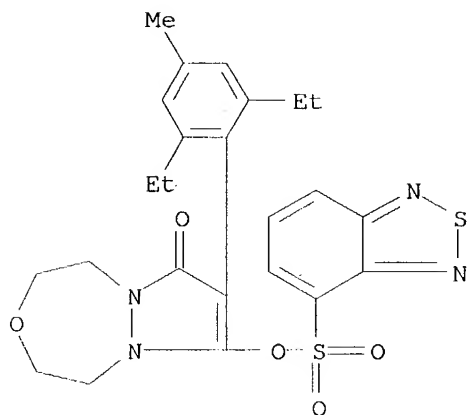
RN 328932-76-9 HCAPLUS

CN 2,1,3-Benzoxadiazole-4-sulfonic acid, 8-(2,6-diethyl-4-methylphenyl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



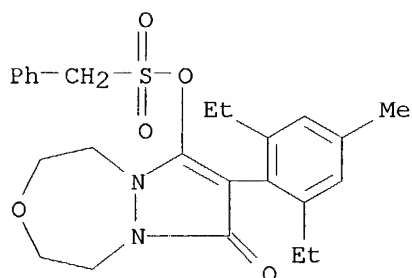
RN 328932-77-0 HCAPLUS

CN 2,1,3-Benzothiadiazole-4-sulfonic acid, 8-(2,6-diethyl-4-methylphenyl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



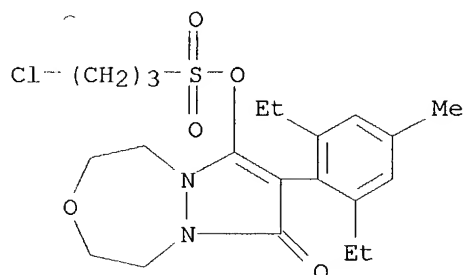
RN 328932-78-1 HCAPLUS

CN Benzenemethanesulfonic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



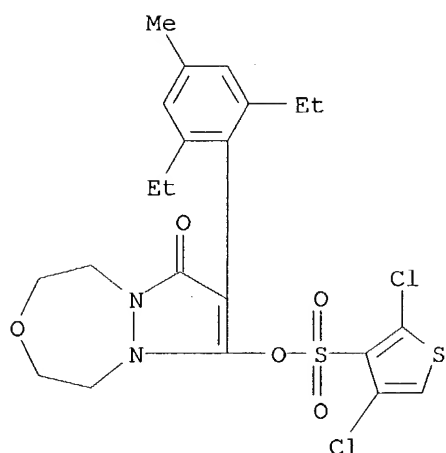
RN 328932-80-5 HCAPLUS

1-Propanesulfonic acid, 3-chloro-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



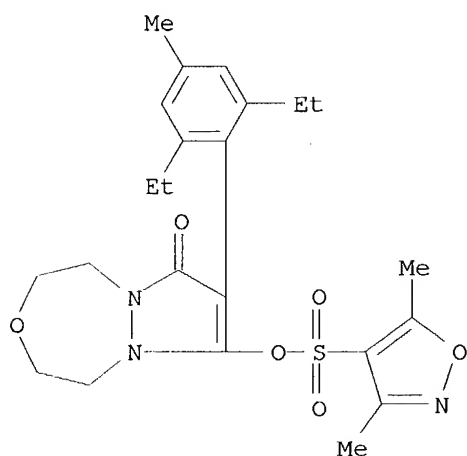
RN 328932-81-6 HCAPLUS

CN 3-Thiophenesulfonic acid, 2,4-dichloro-, 8-(2,6-diethyl-4-methylphenyl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



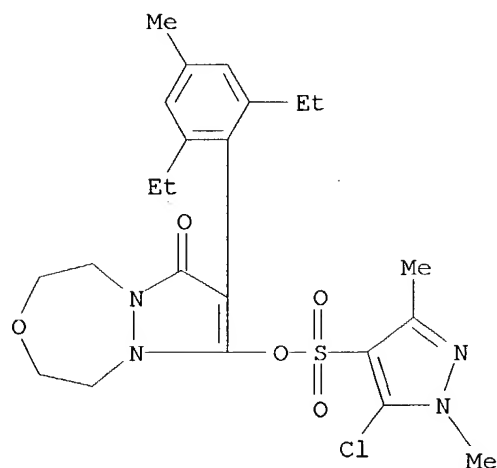
RN 328932-82-7 HCAPLUS

CN 4-Isioxazolesulfonic acid, 3,5-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



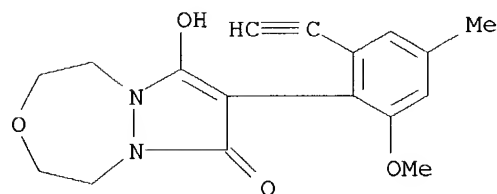
RN 328932-83-8 HCAPLUS

CN 1H-Pyrazole-4-sulfonic acid, 5-chloro-1,3-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



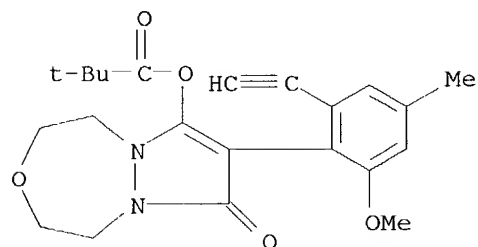
RN 328932-84-9 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethynyl-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



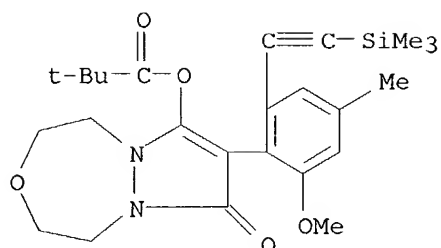
RN 328932-85-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethynyl-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



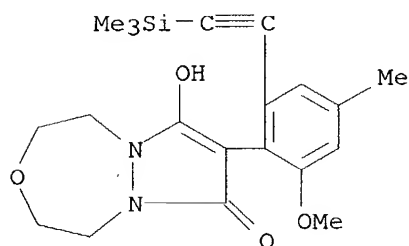
RN 328932-86-1 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1,2,4,5-tetrahydro-8-[2-methoxy-4-methyl-6-((trimethylsilyl)ethynyl)phenyl]-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



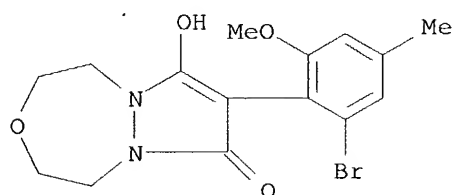
RN 328932-88-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 1,2,4,5-tetrahydro-9-hydroxy-8-[2-methoxy-4-methyl-6-[(trimethylsilyl)ethynyl]phenyl]- (9CI) (CA INDEX NAME)



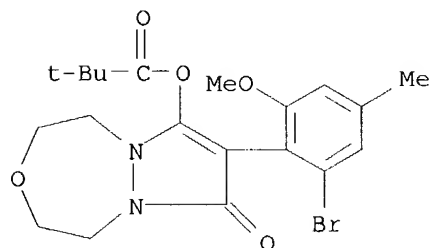
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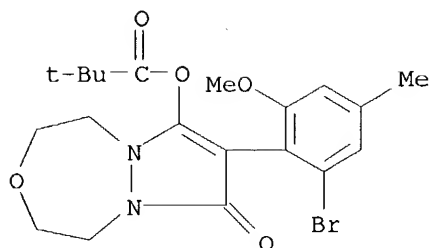
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-bromo-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



RN 328932-90-7 HCAPLUS

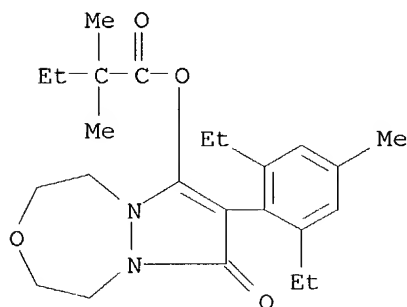
CN Propanoic acid, 2,2-dimethyl-, 8-(2-bromo-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)





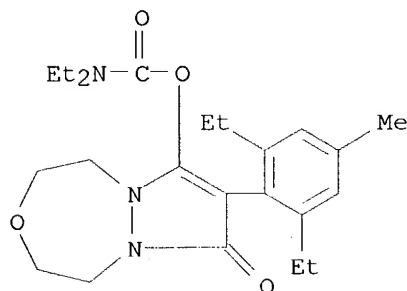
RN 328932-91-8 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



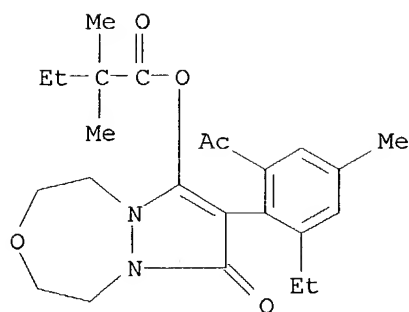
RN 328932-92-9 HCAPLUS

CN Carbamic acid, diethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)

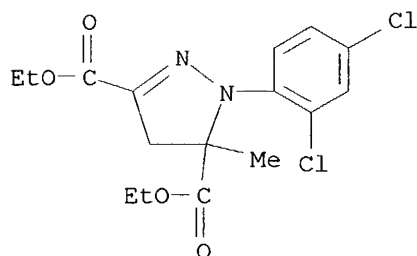


RN 328932-93-0 HCAPLUS

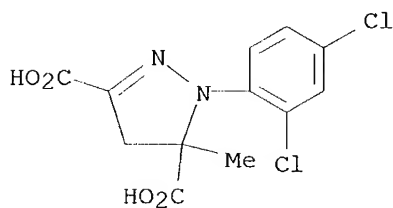
CN Butanoic acid, 2,2-dimethyl-, 8-(2-acetyl-6-ethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



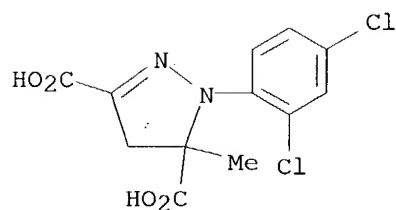
- IT 135590-91-9D, Mefenpyr-diethyl, mixts. with pyrazole deriv.
herbicides and a second herbicide 135591-00-3D, Mefenpyr, mixts.
with pyrazole deriv. herbicides and a second herbicide
328933-01-3D, Mefenpyr diammonium salt, mixts. with pyrazole
deriv. herbicides and a second herbicide
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safened synergistic herbicidal compns.)
RN 135590-91-9 HCAPLUS
CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-
methyl-, diethyl ester (9CI) (CA INDEX NAME)



- RN 135591-00-3 HCAPLUS
CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-
methyl- (9CI) (CA INDEX NAME)



- RN 328933-01-3 HCAPLUS
CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-
methyl-, diammonium salt (9CI) (CA INDEX NAME)



● 2 NH₃

IT 329280-32-2P 329280-33-3P 329280-34-4P

329280-35-5P 329280-36-6P 329280-37-7P

329280-38-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(safened synergistic **herbicidal** compns.)

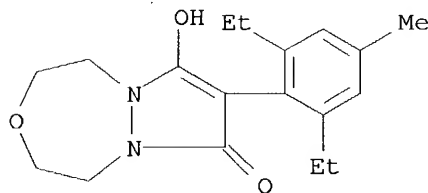
RN 329280-32-2 HCAPLUS

CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-,
2-propynyl ester, (2R)-, mixt. with 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-
tetrahydro-9-hydroxy-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one,
hydrocarbon oils and 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate
(9CI) (CA INDEX NAME)

CM 1

CRN 243973-19-5

CMF C18 H24 N2 O3

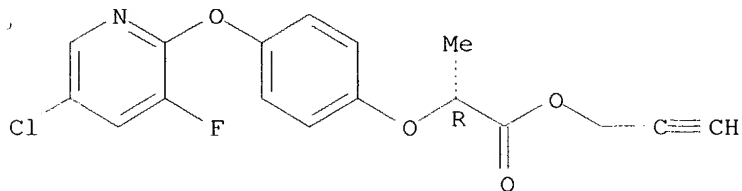


CM 2

CRN 105512-06-9

CMF C17 H13 Cl F N O4

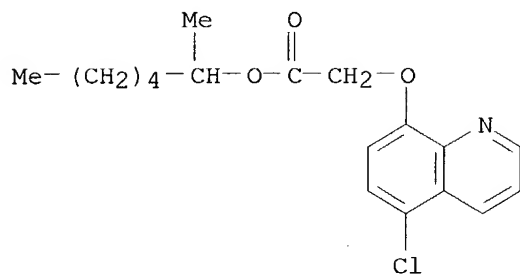
Absolute stereochemistry.



CM 3

CRN 99607-70-2

CMF C18 H22 Cl N O3



CM 4

CRN 8020-83-5

CMF Unspecified

CCI MAN, CTS

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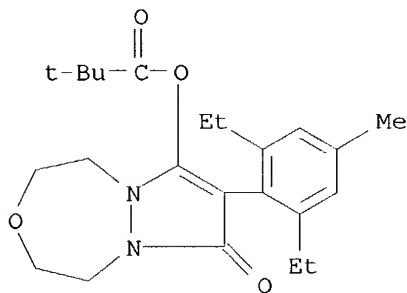
RN 329280-33-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, mixt. with 2-(2-chloroethoxy)-N-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide and 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 243973-20-8

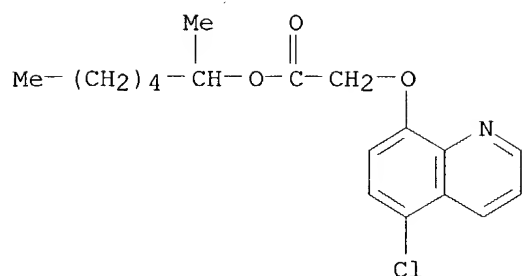
CMF C23 H32 N2 O4



CM 2

CRN 99607-70-2

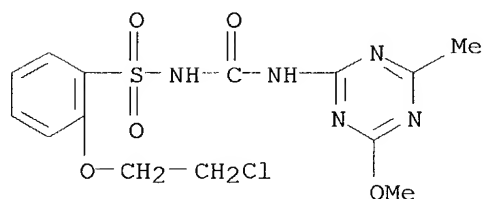
CMF C18 H22 Cl N O3



CM 3

CRN 82097-50-5

CMF C14 H16 Cl N5 O5 S



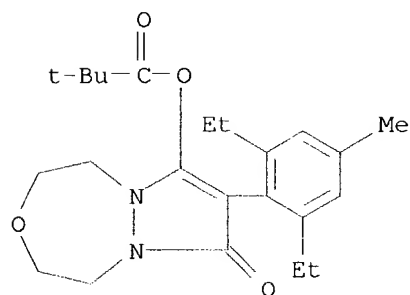
RN 329280-34-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, mixt. with 2-(2-chloroethoxy)-N-[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide, Merge and 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 243973-20-8

CMF C23 H32 N2 O4



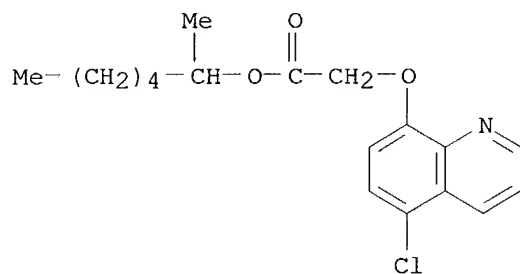
CM 2

CRN 147230-14-6
 CMF Unspecified
 CCI MAN

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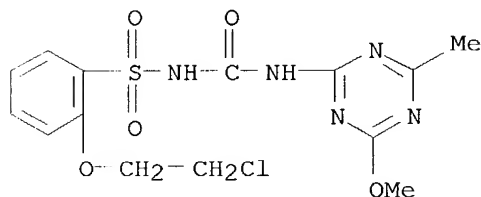
CM 3

CRN 99607-70-2
 CMF C18 H22 Cl N O3



CM 4

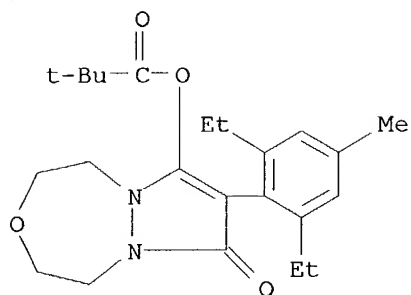
CRN 82097-50-5
 CMF C14 H16 Cl N5 O5 S



RN 329280-35-5 HCAPLUS
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CM 1

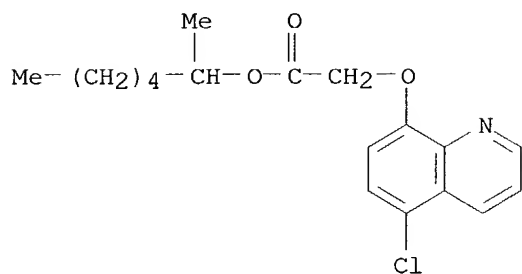
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 CMF C23 H32 N2 O4



CM 2

CRN 99607-70-2

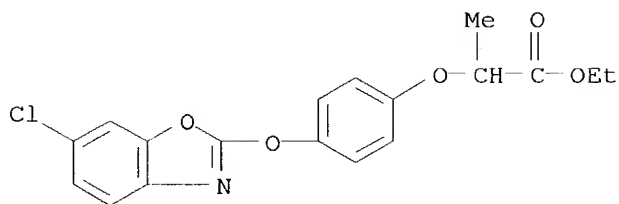
CMF C18 H22 Cl N O3



CM 3

CRN 66441-23-4

CMF C18 H16 Cl N O5



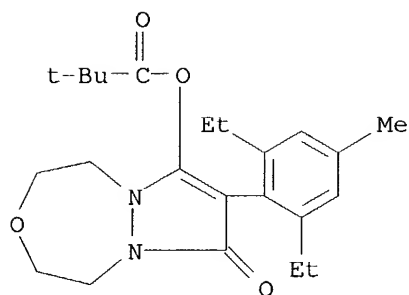
RN 329280-36-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, mixt. with ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate, Merge and 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 243973-20-8

CMF C23 H32 N2 O4



CM 2

CRN 147230-14-6

CMF Unspecified

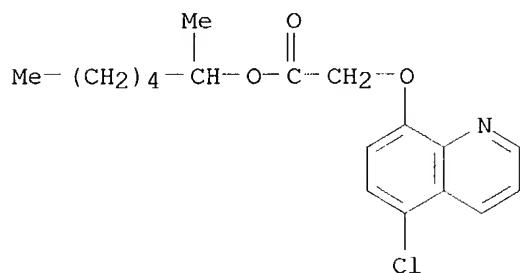
CCI MAN

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CM 3

CRN 99607-70-2

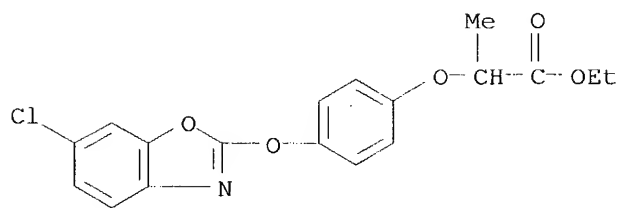
CMF C18 H22 Cl N O3



CM 4

CRN 66441-23-4

CMF C18 H16 Cl N O5



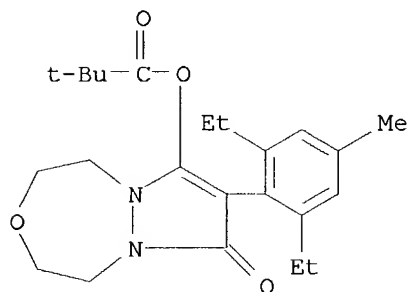
RN 329280-37-7 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, mixt. with 2-[1-(ethoxyimino)propyl]-3-hydroxy-5-(2,4,6-trimethylphenyl)-2-cyclohexen-1-one and 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 243973-20-8

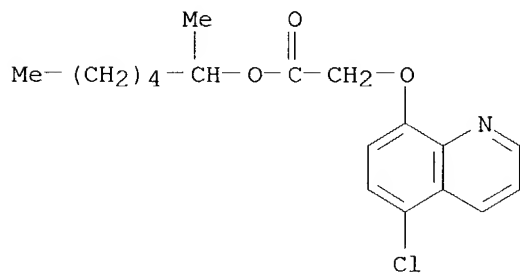
CMF C23 H32 N2 O4



CM 2

CRN 99607-70-2

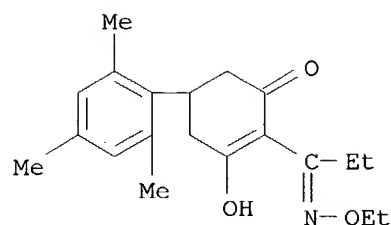
CMF C18 H22 Cl N O3



CM 3

CRN 87820-88-0

CMF C20 H27 N O3



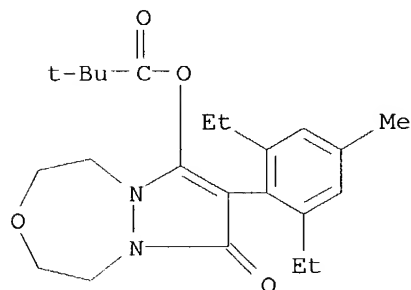
RN 329280-38-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester, mixt. with 2-[1-(ethoxyimino)propyl]-3-hydroxy-5-(2,4,6-trimethylphenyl)-2-cyclohexen-1-one, Merge and 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 243973-20-8

CMF C23 H32 N2 O4



CM 2

CRN 147230-14-6

CMF Unspecified

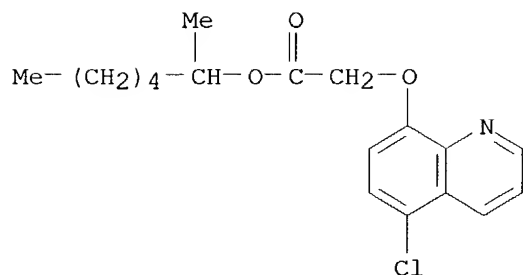
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CM 3

CRN 99607-70-2

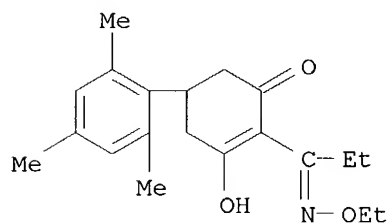
CMF C18 H22 Cl N O3



CM 4

CRN 87820-88-0

CMF C20 H27 N O3



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 8 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:573799 HCAPLUS

DOCUMENT NUMBER: 133:164053

TITLE: Preparation of 3-hydroxy-4-aryl-5-pyrazolines as herbicides

INVENTOR(S): Muhlebach, Michel; Glock, Jutta; Maetzke, Thomas; Stoller, Andre

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.

SOURCE: PCT Int. Appl., 113 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000047585	A1	20000817	WO 1999-EP898	19990211
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9926233 A1 20000829 AU 1999-26233 19990211

PRIORITY APPLN. INFO.: WO 1999-EP898 A 19990211

OTHER SOURCE(S): MARPAT 133:164053

AB The title compds. [I; R1-R3 = halo, NO2, CN, etc.; R4R5 together = (CH2)2O(CH2)2, (CH2)2OCH2CH(Me), etc.; G = H, COtBu, CO2Et] which are suitable for use as herbicides, in particular in combination with herbicide-antagonistically effective compds., were prepd. E.g., a multi-step synthesis of I [R1-R3 = Me; R4R5 = (CH2)2O(CH2)2; G = H] which showed 100% control against Lolium, Setaria, Panicum, Sorghum, and Echinochloa at 500 g of ai/ha in pre-emergence test, was given.

IC ICM C07D498-04

ICS A01N043-56; A01N043-90

CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

IT **Herbicides**

(prepn. of 3-hydroxy-4-aryl-5-pyrazolines as herbicides)

IT **243973-15-1P 243973-19-5P 243973-67-3P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of 3-hydroxy-4-aryl-5-pyrazolines as **herbicides**)

IT **243973-16-2P 243973-17-3P 243973-18-4P**

243973-20-8P 243973-21-9P 243973-22-0P

243973-23-1P 243973-24-2P 243973-25-3P

243973-26-4P 243973-27-5P 243973-28-6P

243973-29-7P 243973-30-0P 243973-31-1P

243973-32-2P 243973-33-3P 243973-34-4P

243973-35-5P 243973-36-6P 243973-37-7P

243973-38-8P 243973-42-4P 243973-45-7P

243973-48-0P 243973-51-5P 243973-53-7P

243973-54-8P 243973-56-0P 243973-58-2P

243973-60-6P 243973-61-7P 243973-63-9P

243973-65-1P 243973-66-2P 243973-68-4P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of 3-hydroxy-4-aryl-5-pyrazolines as **herbicides**)

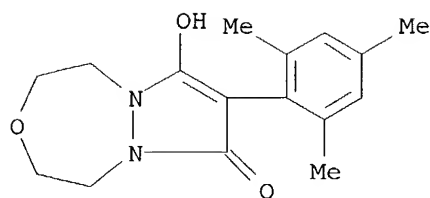
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RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of 3-hydroxy-4-aryl-5-pyrazolines as **herbicides**)

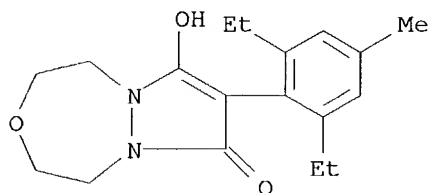
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 1,2,4,5-tetrahydro-9-hydroxy-8-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



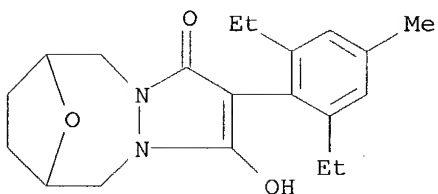
RN 243973-19-5 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



RN 243973-67-3 HCAPLUS

CN 6,9-Epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-1-one, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8,9,10-hexahydro-3-hydroxy- (9CI) (CA INDEX NAME)

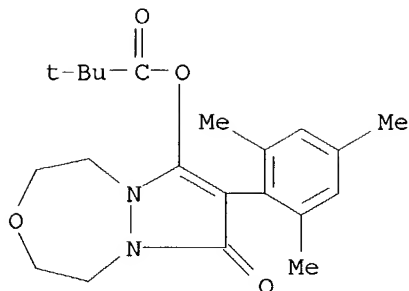


IT 243973-16-2P 243973-17-3P 243973-18-4P
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 243973-65-1P 243973-66-2P 243973-68-4P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of 3-hydroxy-4-aryl-5-pyrazolines as **herbicides**)

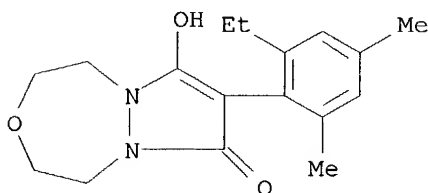
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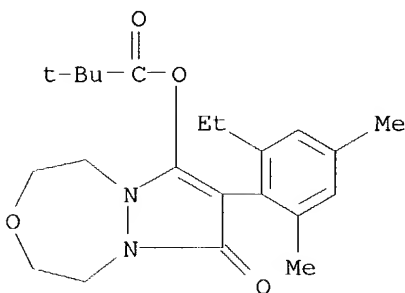
RN 243973-17-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



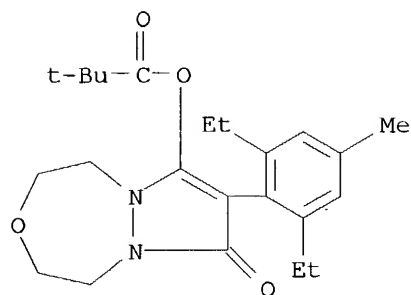
RN 243973-18-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



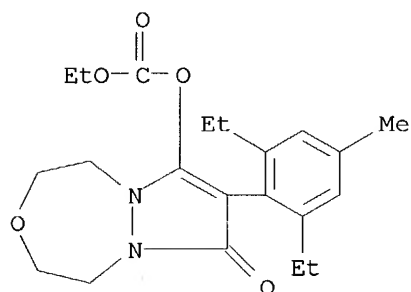
RN 243973-20-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



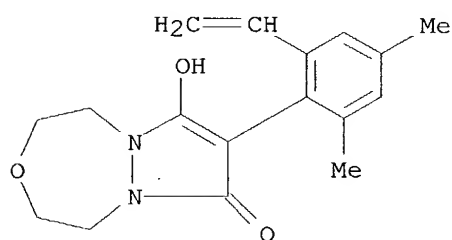
RN 243973-21-9 HCAPLUS

CN Carbonic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ethyl ester (9CI) (CA INDEX NAME)



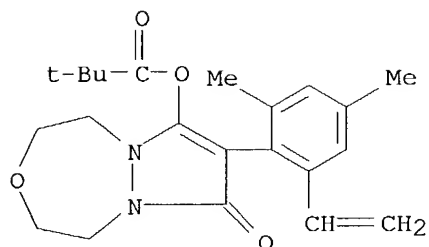
RN 243973-22-0 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethenyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



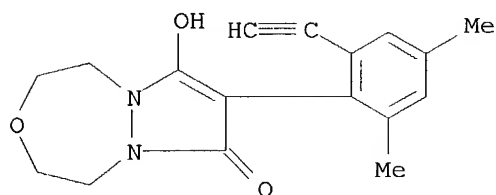
RN 243973-23-1 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethenyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



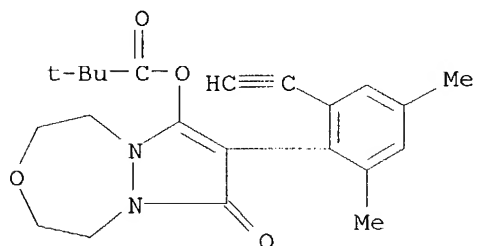
RN 243973-24-2 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethynyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



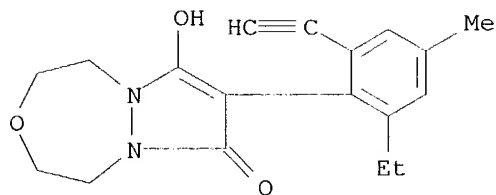
RN 243973-25-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethynyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



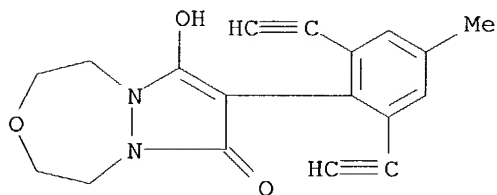
RN 243973-26-4 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-6-ethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



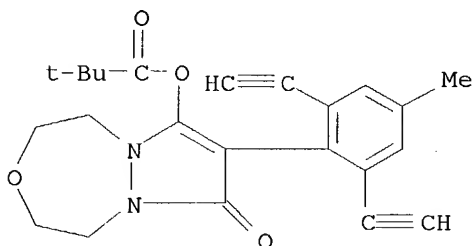
RN 243973-27-5 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



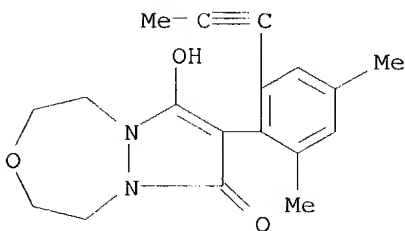
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CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



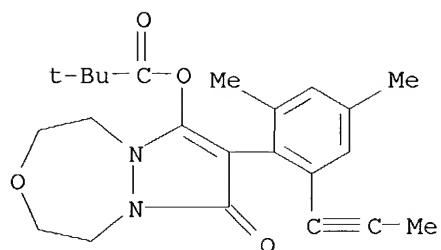
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,4-dimethyl-6-(1-propynyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



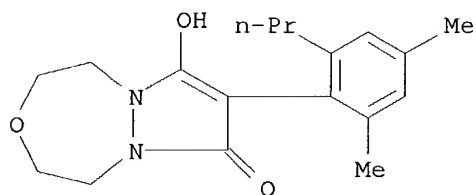
RN 243973-30-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2,4-dimethyl-6-(1-propynyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



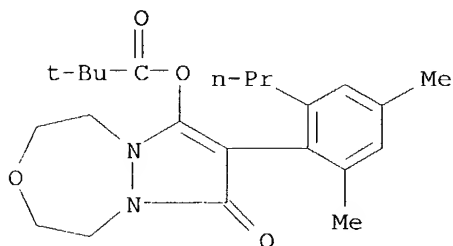
RN 243973-31-1 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,4-dimethyl-6-propylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



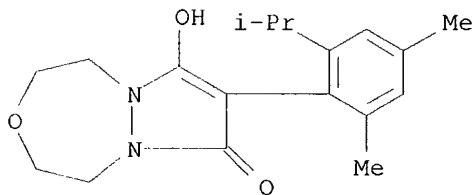
RN 243973-32-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,4-dimethyl-6-propylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



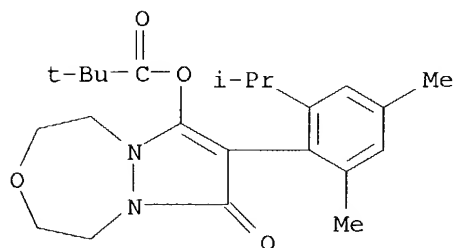
RN 243973-33-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,4-dimethyl-6-(1-methylethyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



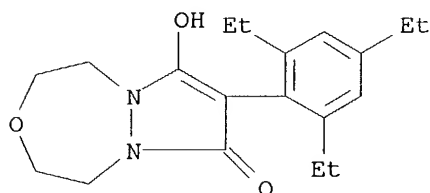
RN 243973-34-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2,4-dimethyl-6-(1-methylethyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



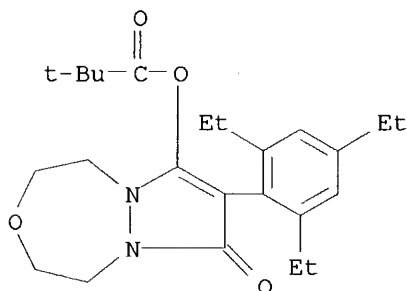
RN 243973-35-5 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 1,2,4,5-tetrahydro-9-hydroxy-8-(2,4,6-triethylphenyl)- (9CI) (CA INDEX NAME)



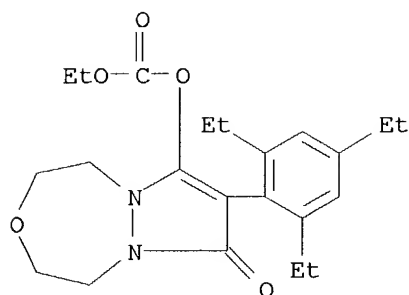
RN 243973-36-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1,2,4,5-tetrahydro-7-oxo-8-(2,4,6-triethylphenyl)-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



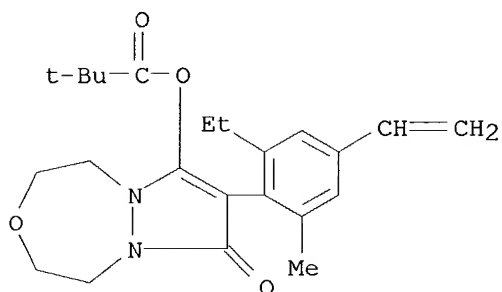
RN 243973-37-7 HCAPLUS

CN Carbonic acid, ethyl 1,2,4,5-tetrahydro-7-oxo-8-(2,4,6-triethylphenyl)-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



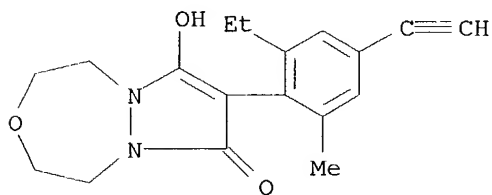
RN 243973-38-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(4-ethenyl-2-ethyl-6-methylphenyl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



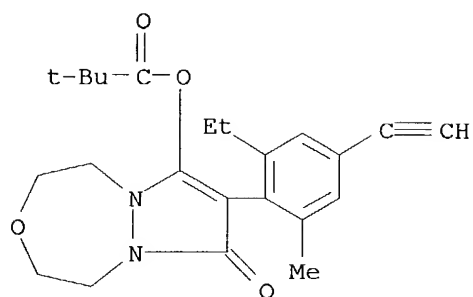
RN 243973-42-4 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-4-ethynyl-6-
methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



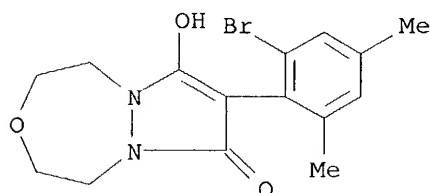
RN 243973-45-7 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethyl-4-ethynyl-6-methylphenyl)-
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(9CI) (CA INDEX NAME)



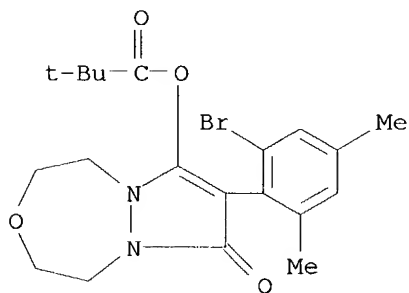
RN 243973-48-0 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-bromo-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



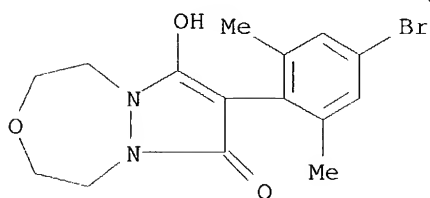
RN 243973-51-5 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-bromo-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



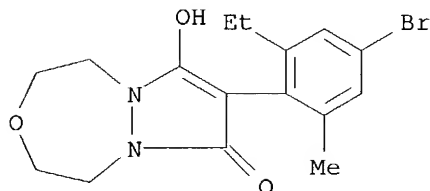
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(4-bromo-2,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



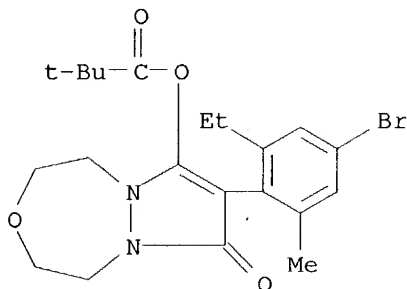
RN 243973-54-8 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(4-bromo-2-ethyl-6-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



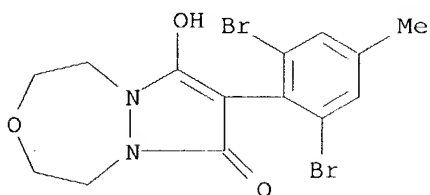
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CN Propanoic acid, 2,2-dimethyl-, 8-(4-bromo-2-ethyl-6-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



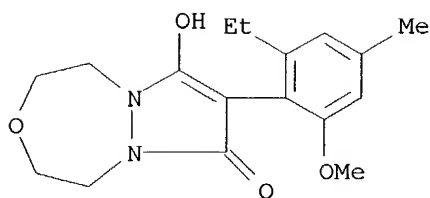
RN 243973-58-2 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-dibromo-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



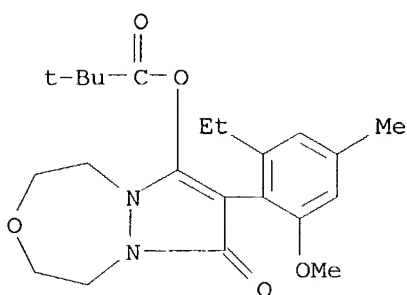
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



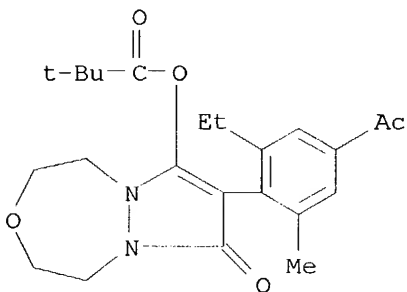
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CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethyl-6-methoxy-4-methylphenyl)-
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(9CI) (CA INDEX NAME)



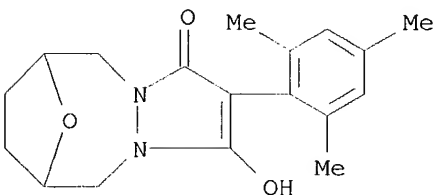
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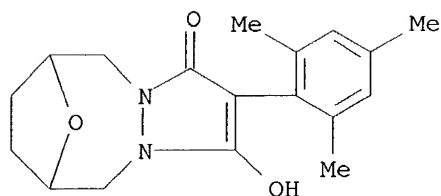
CN Propanoic acid, 2,2-dimethyl-, 8-(4-acetyl-2-ethyl-6-methylphenyl)-1,2,4,5-
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(CA INDEX NAME)



RN 243973-65-1 HCAPLUS

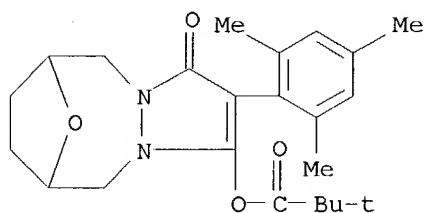
CN 6,9-Epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-1-one, 5,6,7,8,9,10-hexahydro-3-
hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)





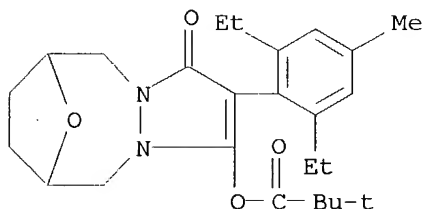
RN 243973-66-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 5,6,7,8,9,10-hexahydro-1-oxo-2-(2,4,6-trimethylphenyl)-6,9-epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-3-yl ester (9CI) (CA INDEX NAME)



RN 243973-68-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8,9,10-hexahydro-1-oxo-6,9-epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-3-yl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:613908 HCAPLUS

DOCUMENT NUMBER: 131:228720

TITLE: Preparation of fused 3-hydroxy-4-aryl-5-oxopyrazolines as herbicides.

INVENTOR(S): Muhlebach, Michel; Glock, Jutta; Maetzke, Thomas; Stoller, Andre

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.

SOURCE: PCT Int. Appl., 110 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9947525	A1	19990923	WO 1999-EP1593	19990311
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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CA 2318976	AA	19990923	CA 1999-2318976	19990311
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AU 741365	B2	20011129		
BR 9908757	A	20001205	BR 1999-8757	19990311
EP 1062217	A1	20001227	EP 1999-915574	19990311
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AT 242249	E	20030615	AT 1999-915574	19990311
RU 2221787	C2	20040120	RU 2000-125819	19990311
US 6410480	B1	20020625	US 2000-646142	20000913
PRIORITY APPLN. INFO.:			CH 1998-616	A 19980313
			CH 1998-2431	A 19981208
			WO 1999-EP1593	W 19990311
OTHER SOURCE(S): MARPAT 131:228720				
AB	Title compds. [I; R1-R3 = halo, NO2, cyano, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, cycloalkyl, halocycloalkyl, OH, SH, alkoxy, alkenyloxy, alkynyloxy, alkylsulfonyl, etc.; R4R5 = (alkylene-fused) CR6R7OCR8R9CR10R11CR12R13, etc.; R6-R13 = H, halo, alkyl, haloalkyl; G = H, CX1R30, SO2R34, alkali metal, alk. earth metal, sulfonium or ammonium cation, etc.; X1 = O, S; R30 = H, alkyl, haloalkyl, alkenyl, alkoxyalkyl, alkoxyalkyl, Ph, etc.], were prep'd. Thus, hexahydro-1,4,5-oxadiazepine dihydrobromide (prepn. given) was heated with di-Et 2-(2,4,6-trimethylphenyl)malonate and Et3N in xylene at 150.degree. with distn. of EtOH to give title compd. (II). The latter at 500 g/ha preemergent gave complete control of Lolium, Setaria, Panicum, Echinochloa, etc.			
IC	ICM C07D498-04 ICS A01N043-90			
CC	28-8 (Heterocyclic Compounds (More Than One Hetero Atom)) Section cross-reference(s): 5			
IT	Herbicides (prepn. of fused 3-hydroxy-4-aryl-5-oxopyrazolines as herbicides)			
IT	243973-15-1P 243973-16-2P 243973-17-3P 243973-18-4P 243973-19-5P 243973-20-8P 243973-21-9P 243973-22-0P 243973-23-1P 243973-24-2P 243973-25-3P 243973-26-4P 243973-27-5P 243973-28-6P 243973-29-7P 243973-30-0P 243973-31-1P 243973-32-2P 243973-33-3P 243973-34-4P 243973-35-5P 243973-36-6P 243973-37-7P 243973-38-8P			

243973-42-4P 243973-45-7P 243973-48-0P
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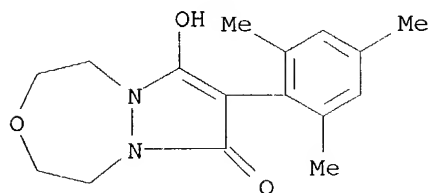
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of fused 3-hydroxy-4-aryl-5-oxopyrazolines as herbicides)

IT 243973-15-1P 243973-16-2P 243973-17-3P
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 243973-21-9P 243973-22-0P 243973-23-1P
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 243973-27-5P 243973-28-6P 243973-29-7P
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 243973-61-7P 243973-63-9P 243973-65-1P
 243973-66-2P 243973-67-3P 243973-68-4P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of fused 3-hydroxy-4-aryl-5-oxopyrazolines as herbicides)

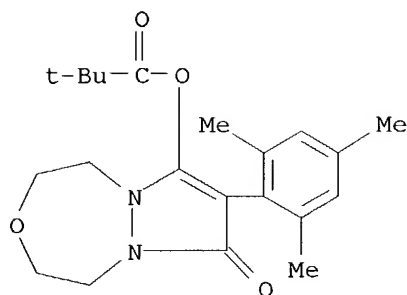
RN 243973-15-1 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 1,2,4,5-tetrahydro-9-hydroxy-8-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



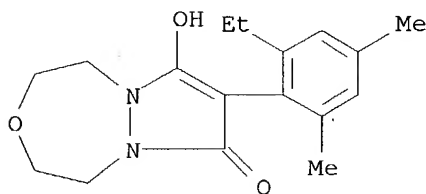
RN 243973-16-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1,2,4,5-tetrahydro-7-oxo-8-(2,4,6-trimethylphenyl)-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
 (CA INDEX NAME)



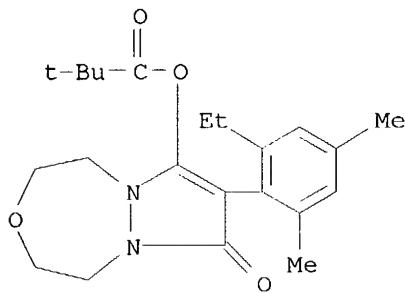
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



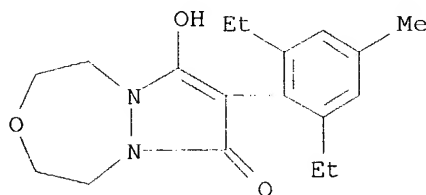
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CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



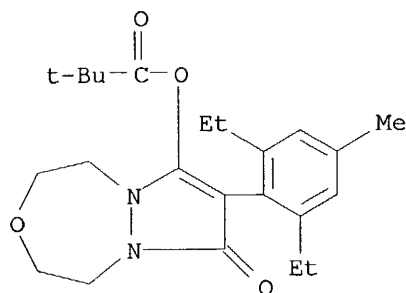
RN 243973-19-5 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



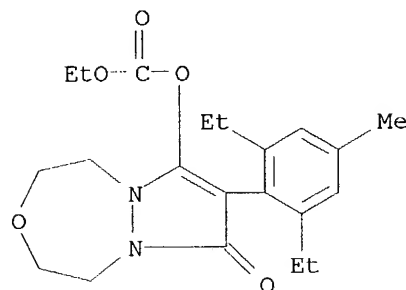
RN 243973-20-8 HCAPLUS

Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



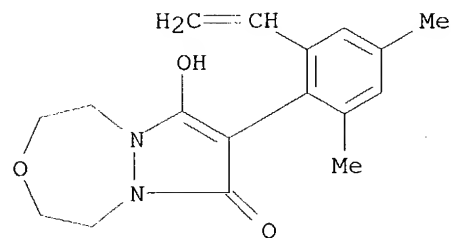
RN 243973-21-9 HCAPLUS

Carbonic acid, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ethyl ester (9CI) (CA INDEX NAME)



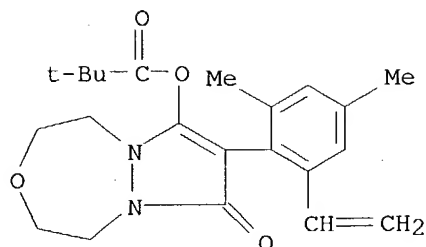
RN 243973-22-0 HCAPLUS

7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethenyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



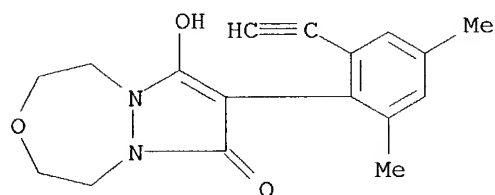
RN 243973-23-1 HCAPLUS

Propanoic acid, 2,2-dimethyl-, 8-(2-ethenyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



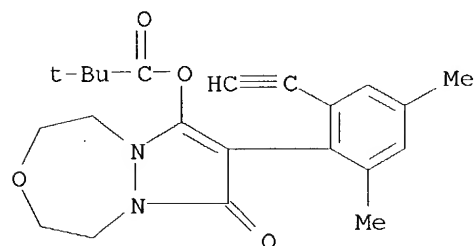
RN 243973-24-2 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethynyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



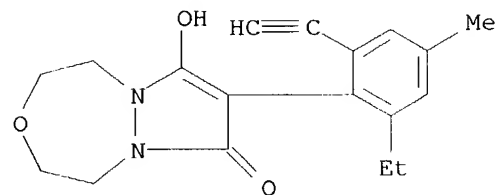
RN 243973-25-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethynyl-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



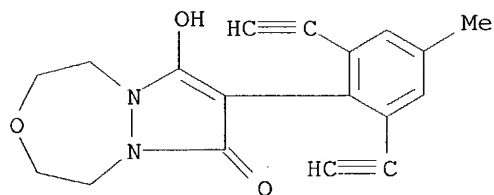
RN 243973-26-4 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-6-ethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



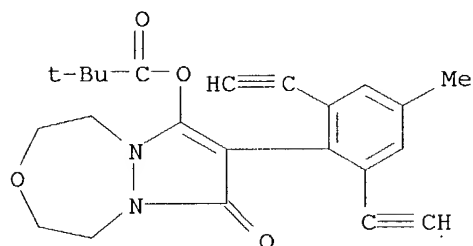
RN 243973-27-5 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-diethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



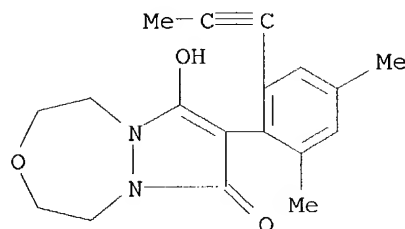
RN 243973-28-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,6-diethynyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



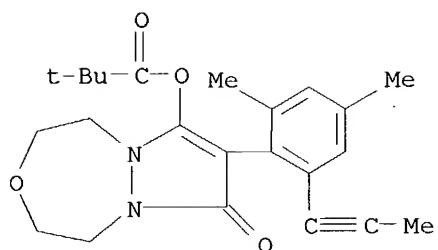
RN 243973-29-7 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,4-dimethyl-6-(1-propynyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



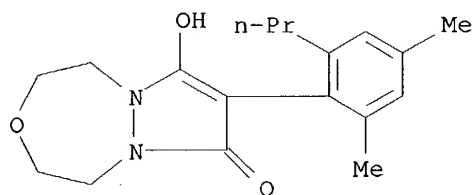
RN 243973-30-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-[2,4-dimethyl-6-(1-propynyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



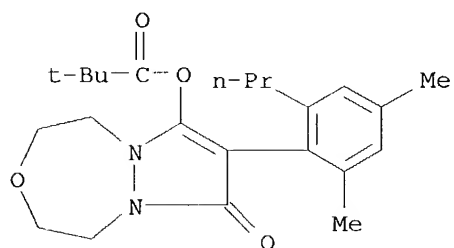
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,4-dimethyl-6-propylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



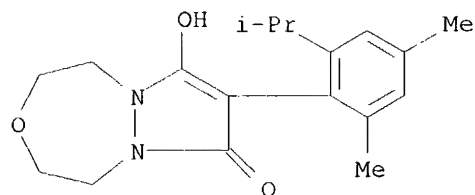
RN 243973-32-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2,4-dimethyl-6-propylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



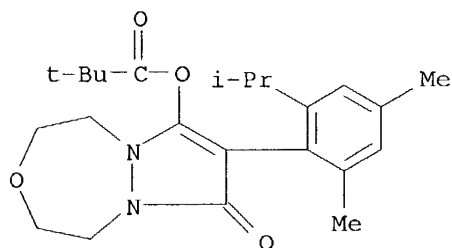
RN 243973-33-3 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2,4-dimethyl-6-(1-methylethyl)phenyl]-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)

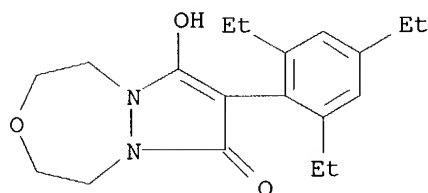


RN 243973-34-4 HCAPLUS

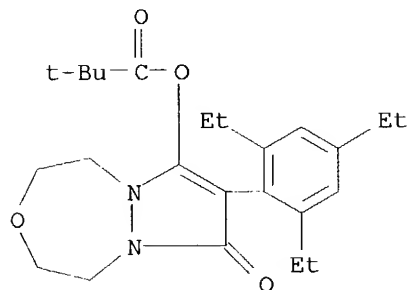
CN Propanoic acid, 2,2-dimethyl-, 8-[2,4-dimethyl-6-(1-methylethyl)phenyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



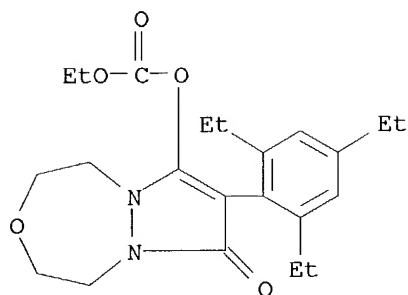
RN 243973-35-5 HCAPLUS
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 1,2,4,5-tetrahydro-9-hydroxy-8-(2,4,6-triethylphenyl)- (9CI) (CA INDEX NAME)



RN 243973-36-6 HCAPLUS
CN Propanoic acid, 2,2-dimethyl-, 1,2,4,5-tetrahydro-7-oxo-8-(2,4,6-triethylphenyl)-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)

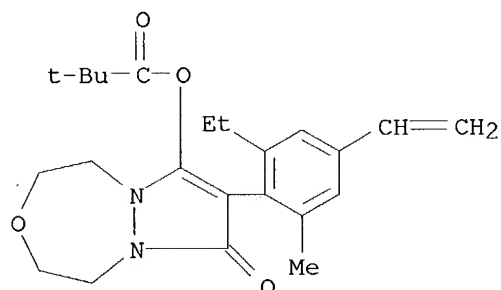


RN 243973-37-7 HCAPLUS
CN Carbonic acid, ethyl 1,2,4,5-tetrahydro-7-oxo-8-(2,4,6-triethylphenyl)-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



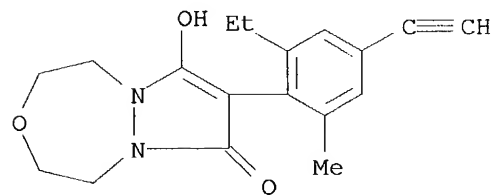
RN 243973-38-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(4-ethenyl-2-ethyl-6-methylphenyl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



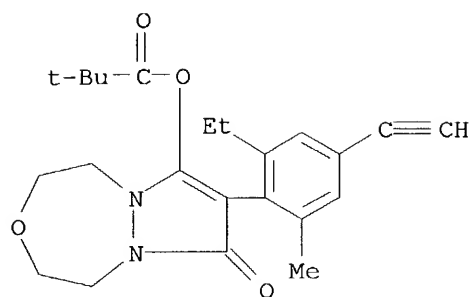
RN 243973-42-4 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-4-ethynyl-6-
methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



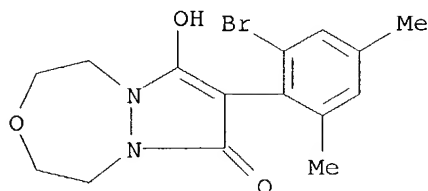
RN 243973-45-7 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethyl-4-ethynyl-6-methylphenyl)-
1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester
(9CI) (CA INDEX NAME)



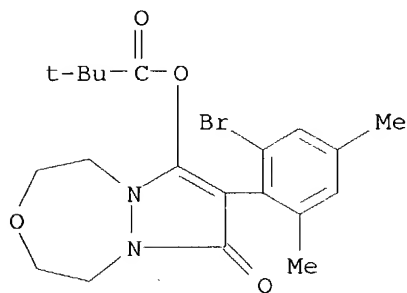
RN 243973-48-0 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-bromo-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



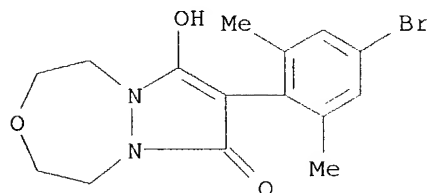
RN 243973-51-5 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-bromo-4,6-dimethylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



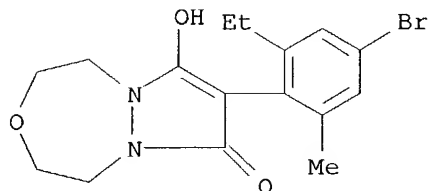
RN 243973-53-7 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(4-bromo-2,6-dimethylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



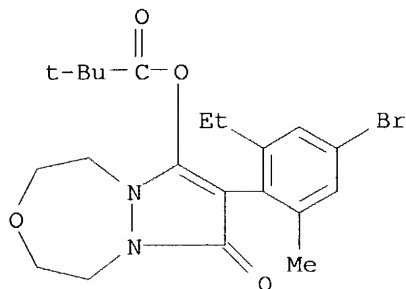
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(4-bromo-2-ethyl-6-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



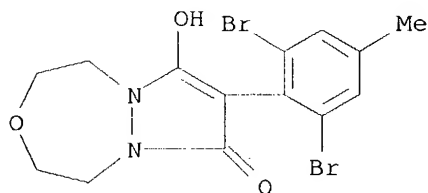
RN 243973-56-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(4-bromo-2-ethyl-6-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI) (CA INDEX NAME)



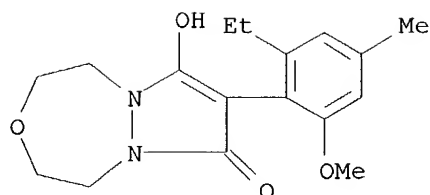
RN 243973-58-2 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2,6-dibromo-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



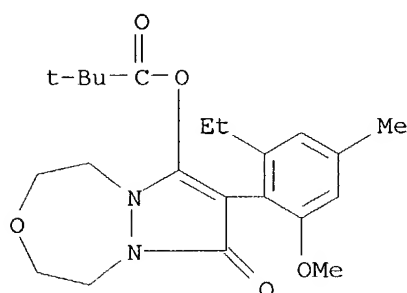
RN 243973-60-6 HCAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-(2-ethyl-6-methoxy-4-methylphenyl)-1,2,4,5-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



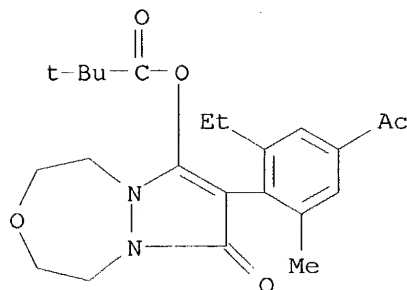
RN 243973-61-7 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-(2-ethyl-6-methoxy-4-methylphenyl)-
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(9CI) (CA INDEX NAME)



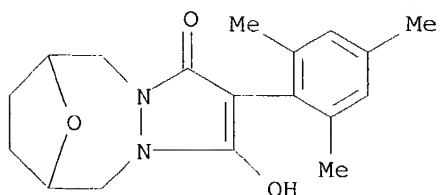
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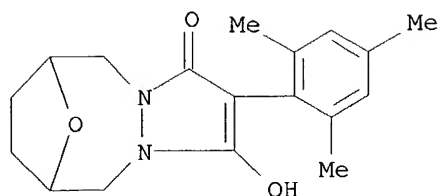
CN Propanoic acid, 2,2-dimethyl-, 8-(4-acetyl-2-ethyl-6-methylphenyl)-1,2,4,5-
tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (9CI)
(CA INDEX NAME)



RN 243973-65-1 HCAPLUS

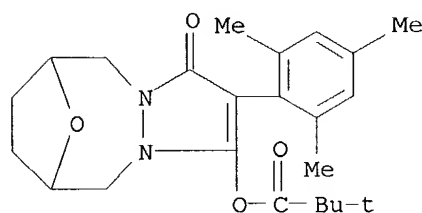
CN 6,9-Epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-1-one, 5,6,7,8,9,10-hexahydro-3-
hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)





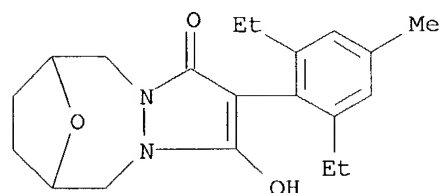
RN 243973-66-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 5,6,7,8,9,10-hexahydro-1-oxo-2-(2,4,6-trimethylphenyl)-6,9-epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-3-yl ester (9CI) (CA INDEX NAME)



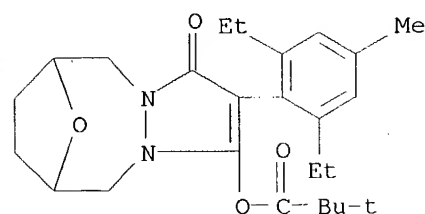
RN 243973-67-3 HCAPLUS

CN 6,9-Epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-1-one, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8,9,10-hexahydro-3-hydroxy- (9CI) (CA INDEX NAME)



RN 243973-68-4 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(2,6-diethyl-4-methylphenyl)-5,6,7,8,9,10-hexahydro-1-oxo-6,9-epoxy-1H-pyrazolo[1,2-a][1,2]diazocin-3-yl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 10 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:208540 HCAPLUS
 DOCUMENT NUMBER: 128:257333
 TITLE: Preparation of heterocyclic compounds as new antidotes
 in herbicidal compositions
 INVENTOR(S): Tobler, Hans; Szczepanski, Henry; Fory, Werner
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Tobler, Hans; Szczepanski,
 Henry; Fory, Werner
 SOURCE: PCT Int. Appl., 82 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

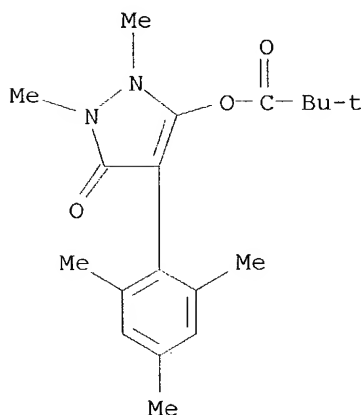
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WO 9813361	A1	19980402	WO 1997-EP5252	19970924
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RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9747780	A1	19980417	AU 1997-47780	19970924
EP 929543	A1	19990721	EP 1997-910351	19970924
EP 929543	B1	20011031		
R:	DE, FR, GB			
ZA 9708579	A	19980326	ZA 1997-8579	19970925
US 6294504	B1	20010925	US 1999-269453	19990624
PRIORITY APPLN. INFO.:			CH 1996-2359	A 19960926
			WO 1997-EP5252	W 19970924

OTHER SOURCE(S): MARPAT 128:257333

AB The title compds. [I; R1 = H, C1-4 alkyl, NO2, etc.; R2 = H, halo, CF3, etc.; R3 = H, halo, C1-4 alkyl; U, V, W and Z = O, S, C(O), etc., with the proviso that at least one of U, V, W or Z = C(O), and one ring member which is adjacent to this or these ring members signifies the group C:CHOC(R4)(R5)C(O)A; and two adjacent ring members U and V, V and W, and W and Z can not simultaneously signify O; R4, R5 = H, C1-8 alkyl; R4R5 = C2-6 alkylene; A = YR7, NR18R19; Y = O, S; R7 = H, C1-8 alkyl, C1-8-haloalkyl, etc.; R18 = H, C1-8 alkyl, Ph, etc.; R19 = H, C1-8 alkyl, C3-6 alkenyl, C3-6 alkynyl; R18R19 = C4-5 alkylene; m = 0-2], useful as antidotes in herbicidal compns. for the control of weeds and grasses in useful plant cultivations, as well as compns. having selective herbicide activity, which contain the compd. I, and as herbicides the compds. of formulas II-VII (wherein W0, R21, Z0, B, n, R22-R24, E, R31-R35, A1, B1, A2, B2, R36, G, R48 and R49 have the significances given in the description), were prepd. Treatment of 3H-2-benzopyran-3-one-1,4-dihydro-4-hydroxymethylene with NaH in DMF followed by addn. of bromoacetic acid Me ester afforded compd. I [R1-R3 = H; U = CH2; V = O; m = 1; W = C(O); Z = C:CHOCH2CO2Me] which showed post-emergent phytotoxic activity of 6 in a nine-stage appraisal scale (1 = complete damage, 9 = no effect) when used as antidote at 250 g/ha in mixt. with clodinafop (5 g/ha) on maize.

IC ICM C07D311-76

- ICS C07D335-06; C07D217-24; C07D307-83; C07D209-34; C07D333-64;
C07D311-12; C07D215-22; C07D409-12; C07D407-12; C07C069-708;
C07C069-738; C07C049-683; A01N043-16; A01N043-18; A01N043-42;
A01N043-12; A01N037-02; A01N035-06
- CC 27-14 (Heterocyclic Compounds (One Hetero Atom))
Section cross-reference(s): 5
- IT Antidotes
Herbicides
(prepn. of heterocyclic compds. as new antidotes in herbicidal compns.)
- IT 15972-60-8, Alachlor 34256-82-1, Acetochlor 51218-45-2, Metolachlor
69335-91-7, Fluazifop 74223-56-6, Sulfometuron 76578-12-6, Quizalofop
79277-67-1, Thifensulfuron 79510-48-8, Metsulfuron 82097-50-5,
Triasulfuron 87392-12-9 87674-68-8, Dimethenamid 94593-91-6,
Cinosulfuron 95617-09-7, Fenoxaprop 98389-04-9, Pyrazosulfuron
98967-40-9, Flumetsulam 99283-00-8, Chlorimuron 99283-01-9,
Bensulfuron 106040-48-6, Tribenuron 111353-84-5, Ethametsulfuron
111479-05-1, Propaquizafop 111991-09-4, Nicosulfuron 113036-87-6,
Primisulfuron 114420-56-3, Clodinafop 120162-55-2, Azimsulfuron
120923-37-7, Amidosulfuron 122008-78-0, Cyhalofop 122931-48-0,
Rimsulfuron 126801-58-9, Ethoxysulfuron 132308-20-4 135990-29-3,
Triflusulfuron 136849-15-5 139528-85-1, Metosulam 141112-29-0
141776-32-1, Sulfosulfuron 144651-06-9, Oxasulfuron 150315-10-9,
Flupyrsulfuron 159518-97-5, Cloransulam 163805-38-7
178177-66-7 205121-33-1
RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); BIOL (Biological study);
USES (Uses)
(prepn. of heterocyclic compds. as new antidotes in **herbicidal**
compns.)
- IT **178177-66-7**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); BIOL (Biological study);
USES (Uses)
(prepn. of heterocyclic compds. as new antidotes in **herbicidal**
compns.)
- RN 178177-66-7 HCAPLUS
- CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-
trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 11 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1996:546334 HCAPLUS
 DOCUMENT NUMBER: 125:195643
 TITLE: 4-Aryl- and 4-heteroaryl-5-oxopyrazoline derivatives
 having pesticidal properties
 INVENTOR(S): Boeger, Manfred; Maienfisch, Peter; Cederbaum,
 Fredrik; Pitterna, Thomas; Nadkarni, Pradeep Jeevaji;
 Ekkundi, Vadiraj Subbanna; Kulkarni, Surendra Umesh
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: PCT Int. Appl., 101 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9621652	A1	19960718	WO 1995-EP5152	19951229
W:	AL, AM, AU, AZ, BB, BG, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
CA 2210286	AA	19960718	CA 1995-2210286	19951229
AU 9644353	A1	19960731	AU 1996-44353	19951229
EP 804422	A1	19971105	EP 1995-943223	19951229
R:	AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT, IE			
CN 1175248	A	19980304	CN 1995-197652	19951229
JP 10512248	T2	19981124	JP 1995-521407	19951229
ZA 9600243	A	19960819	ZA 1996-243	19960112
BR 9600088	A	19980127	BR 1996-88	19960112
PRIORITY APPLN. INFO.:			CH 1995-108	19950113
			WO 1995-EP5152	19951229

OTHER SOURCE(S): MARPAT 125:195643

AB The invention relates to novel, pesticidally effective title compds. I [R1 = (un)substituted Ph, pyridinyl, or naphthyl; R2R3 = atoms to form (un)satd., (un)substituted, (poly)cyclic system with optional addnl. non-terminal heteroatoms; G = -COA or -SO2B; A = (un)substituted alkyl, cycloalkyl, cycloalkoxy, adamantyl, naphthyl, etc.; B = (halo)alk(en/yn)yl, (halo)alkoxy, (halo)cycloalkyl, (un)substituted benzyl or naphthyl, substituted or cyclic amino]. Also disclosed are their compns., use as insecticides, acaricides, or herbicides, esp. in crops of useful plants, and selective herbicidal compns. comprising compds. I with certain quinoline, pyrazole, or triazole-based safeners. For example, reaction of 3-hydroxy-4-mesityl-5-oxo-1,2-tetramethylenepyrazoline with (2-cyanoethyl)methylcarbonyl chloride in THF in the presence of Et3N gave title compd. II [A = NMeCH2CH2CN]. The latter at 400 ppm gave >80% control of mixed stages of Tetranychus urticae. The similarly prepd. compd. II [A = CMe2OCOBu-tert] at 2 kg/ha preemergence gave complete control of Avena and Setaria. Useful safeners, e.g. for maize or cereals, include compd. III.

IC ICM C07D231-32

ICS C07D487-04; A01N043-56; A01N043-90
ICI C07D487-04, C07D237-00, C07D231-00; C07D487-04, C07D231-00
CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1

IT Acaricides

Herbicides

Insecticides

Pesticides

(prepn. of pyrazoline derivs. as pesticides)

IT 180799-77-3P 180799-78-4P 180799-79-5P

180799-80-8P 180799-81-9P 180799-82-0P

180799-83-1P 180799-84-2P 180799-85-3P

180799-86-4P 180799-87-5P 180799-88-6P

180799-89-7P 180799-90-0P 180799-91-1P

180799-92-2P 180799-93-3P 180799-94-4P

180799-95-5P 180799-96-6P 180799-97-7P

180799-98-8P 180799-99-9P 180800-00-4P

180800-01-5P 180800-02-6P 180800-03-7P

180800-04-8P 180800-05-9P 180800-06-0P

180800-07-1P 180800-08-2P 180800-09-3P

180800-10-6P 180800-11-7P 180800-12-8P

180800-13-9P 180800-14-0P 180800-15-1P

180800-16-2P 180800-17-3P 180800-18-4P

180800-19-5P 180800-20-8P 180800-21-9P

180800-22-0P 180800-23-1P 180800-24-2P

180800-25-3P 180800-26-4P 180800-27-5P

180800-28-6P 180800-29-7P 180800-30-0P

180800-31-1P 180800-32-2P 180800-33-3P

180800-34-4P 180800-35-5P 180800-36-6P

180800-37-7P 180800-38-8P 180800-39-9P

180800-40-2P 180800-41-3P 180800-42-4P

180800-43-5P 180800-44-6P 180800-45-7P

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180800-52-6P 180800-53-7P 180800-54-8P

180800-55-9P 180800-56-0P 180800-57-1P

180800-58-2P 180800-59-3P 180800-60-6P

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180800-70-8P 180800-71-9P 180800-72-0P

180800-73-1P 180800-74-2P 180800-75-3P

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180800-79-7P 180800-80-0P 180800-81-1P

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180800-94-6P 180800-95-7P 180800-96-8P

180800-97-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of pyrazoline derivs. as pesticides)

IT 16386-97-3, 2-Cyclohexyl-2-methylpropionic acid 25714-90-3,
(2-Cyanoethyl)methylcarbamoyl chloride 35028-38-7,
Cyclohexylmethylcarbamoyl chloride 144757-98-2,

3-Hydroxy-4-mesityl-5-oxo-1,2-tetramethylenepyrazoline

RL: RCT (Reactant); RACT (Reactant or reagent)

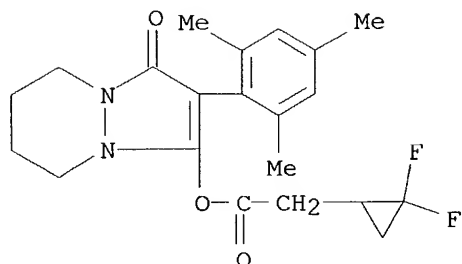
(starting material; prepn. of pyrazoline derivs. as pesticides)

IT 180799-77-3P 180799-78-4P 180799-79-5P
180799-80-8P 180799-81-9P 180799-82-0P
180799-83-1P 180799-84-2P 180799-85-3P
180799-86-4P 180799-87-5P 180799-88-6P
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180800-88-8P 180800-89-9P 180800-90-2P
180800-91-3P 180800-92-4P 180800-93-5P
180800-94-6P 180800-95-7P 180800-96-8P
180800-97-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyrazoline derivs. as pesticides)

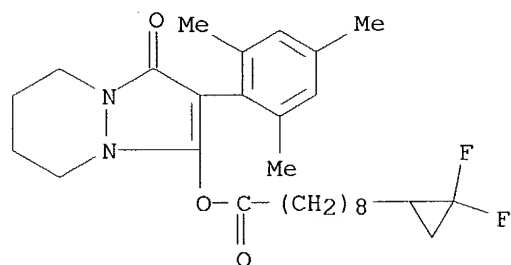
RN 180799-77-3 HCAPLUS

CN Cyclopropaneacetic acid, 2,2-difluoro-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



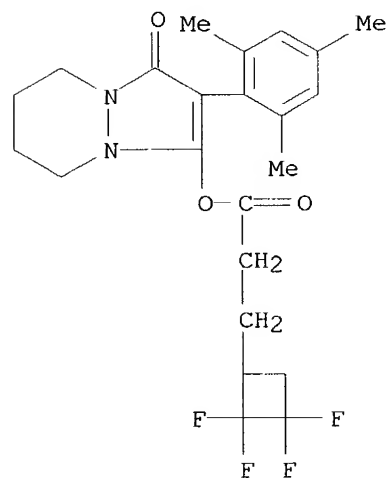
RN 180799-78-4 HCAPLUS

CN Cyclopropanenonanoic acid, 2,2-difluoro-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180799-79-5 HCAPLUS

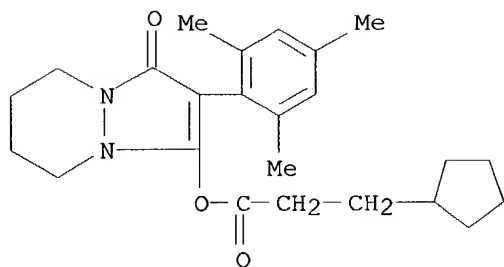
CN Cyclobutanepropanoic acid, 2,2,3,3-tetrafluoro-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



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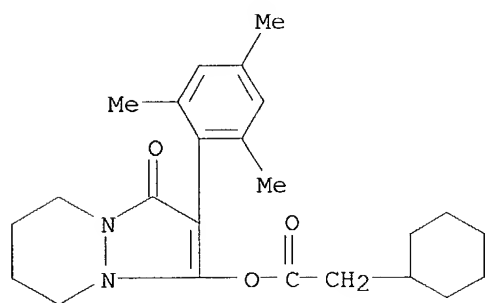
CN Cyclopentanepropanoic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-

trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



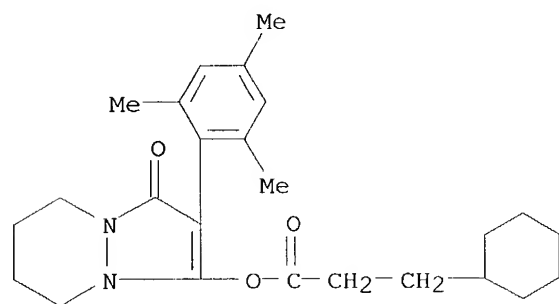
RN 180799-81-9 HCAPLUS

CN Cyclohexanecarboxylic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



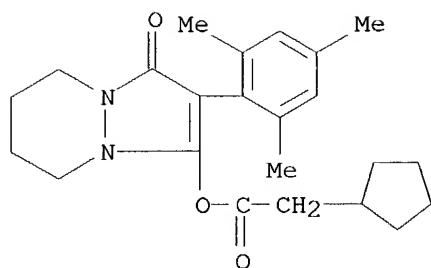
RN 180799-82-0 HCAPLUS

CN Cyclohexanepropanoic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



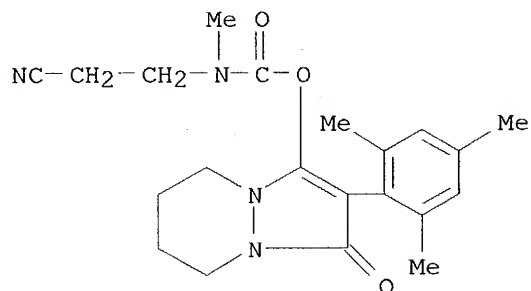
RN 180799-83-1 HCAPLUS

CN Cyclopentanecarboxylic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



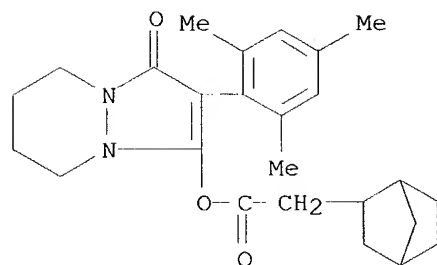
RN 180799-84-2 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)methyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



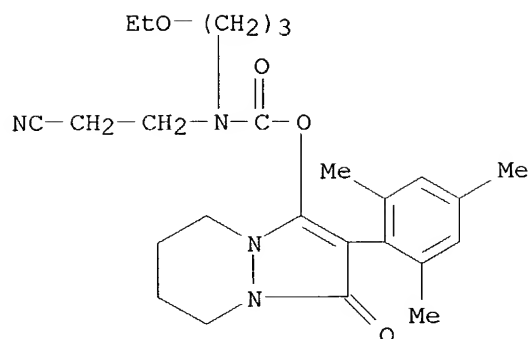
RN 180799-85-3 HCAPLUS

CN Bicyclo[2.2.1]heptane-2-acetic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



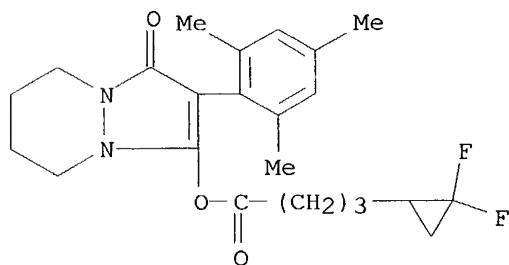
RN 180799-86-4 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)(3-ethoxypropyl)-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



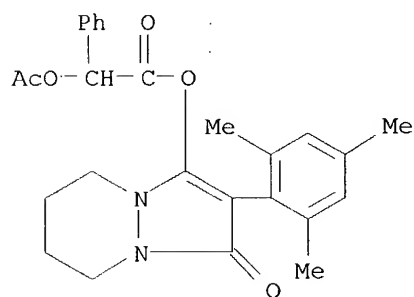
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CN Cyclopropanebutanoic acid, 2,2-difluoro-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



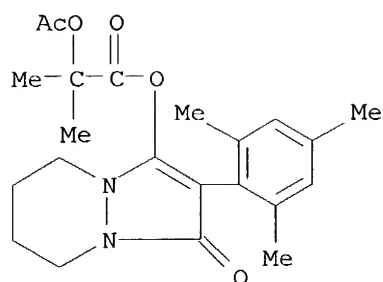
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CN Benzeneacetic acid, .alpha.-(acetyloxy)-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



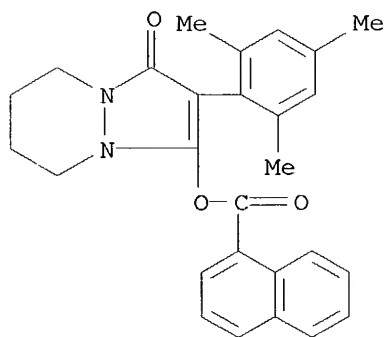
RN 180799-89-7 HCAPLUS

CN Propanoic acid, 2-(acetyloxy)-2-methyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



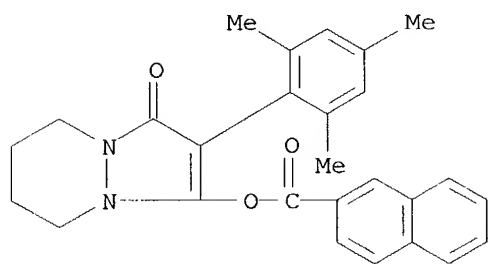
RN 180799-90-0 HCAPLUS

CN 1-Naphthalenecarboxylic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



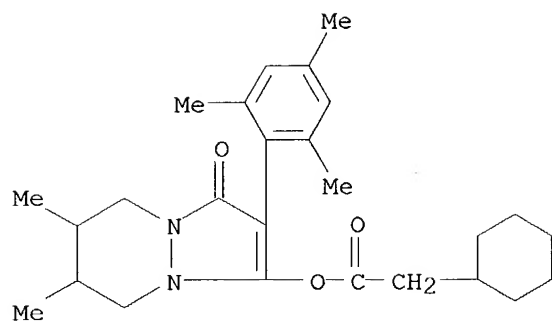
RN 180799-91-1 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



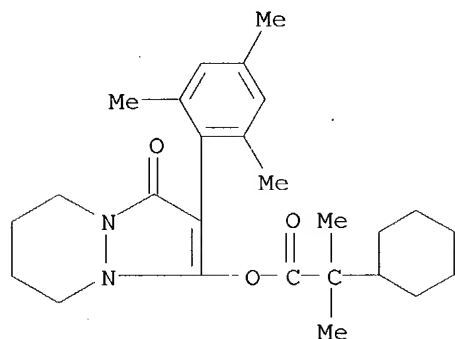
RN 180799-92-2 HCAPLUS

CN Cyclohexaneacetic acid, 5,6,7,8-tetrahydro-6,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



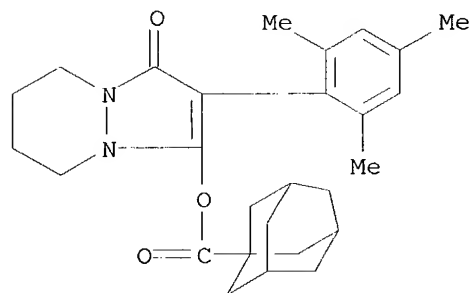
RN 180799-93-3 HCAPLUS

CN Cyclohexaneacetic acid, .alpha.,.alpha.-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI)
(CA INDEX NAME)



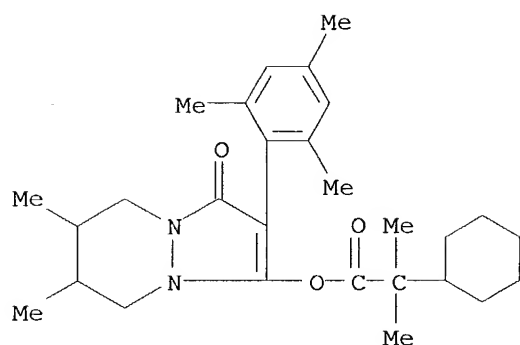
RN 180799-94-4 HCAPLUS

CN Tricyclo[3.3.1.1^{3,7}]decane-1-carboxylic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



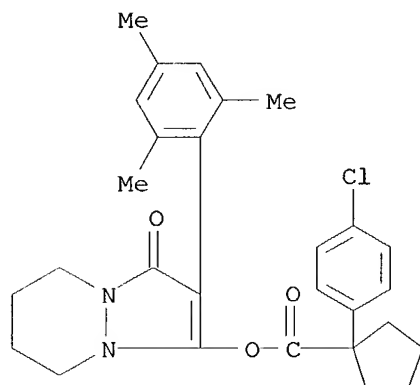
RN 180799-95-5 HCAPLUS

CN Cyclohexaneacetic acid, .alpha.,.alpha.-dimethyl-, 5,6,7,8-tetrahydro-6,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



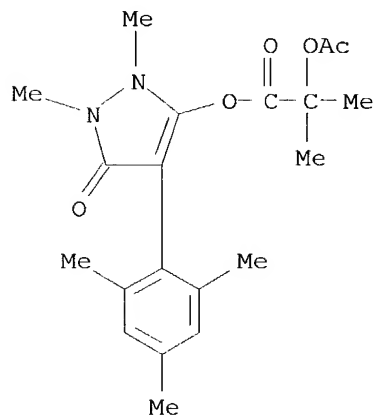
RN 180799-96-6 HCAPLUS

CN Cyclopentanecarboxylic acid, 1-(4-chlorophenyl)-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI)
(CA INDEX NAME)



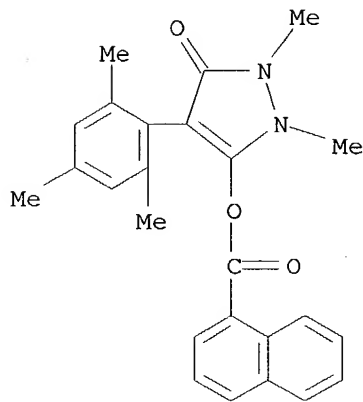
RN 180799-97-7 HCAPLUS

CN Propanoic acid, 2-(acetyloxy)-2-methyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



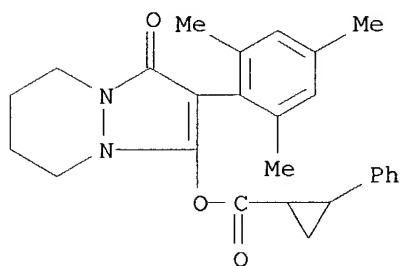
RN 180799-98-8 HCAPLUS

CN 1-Naphthalenecarboxylic acid, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



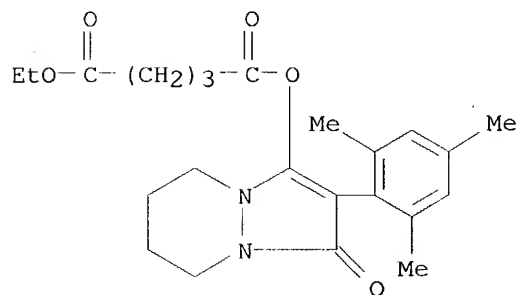
RN 180799-99-9 HCAPLUS

CN Cyclopropanecarboxylic acid, 2-phenyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



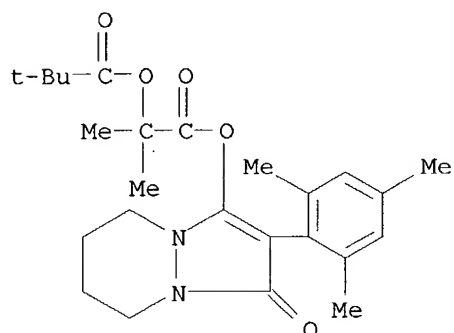
RN 180800-00-4 HCAPLUS

CN Pentanedioic acid, ethyl 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



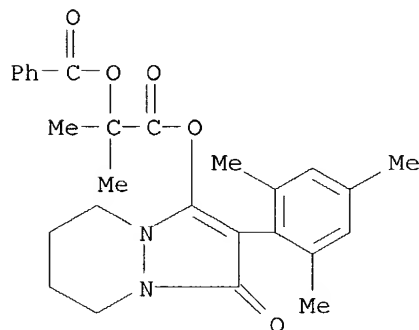
RN 180800-01-5 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1,1-dimethyl-2-oxo-2-[[5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl]oxy]ethyl ester (9CI) (CA INDEX NAME)



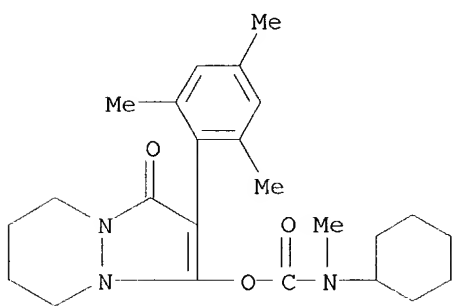
RN 180800-02-6 HCAPLUS

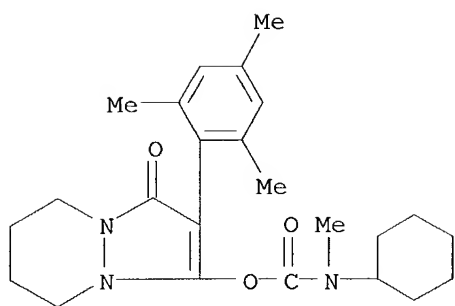
CN Propanoic acid, 2-(benzoyloxy)-2-methyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-03-7 HCAPLUS

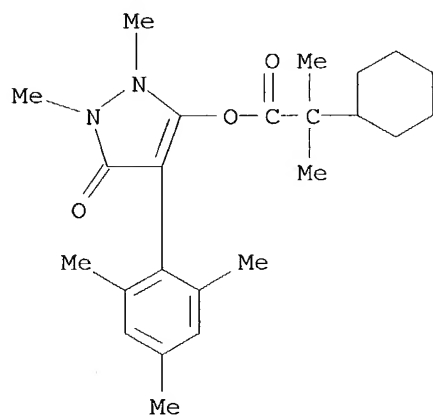
CN Carbamic acid, cyclohexylmethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)





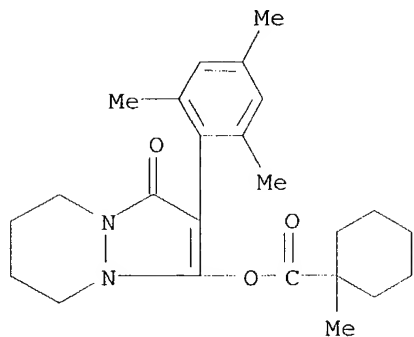
RN 180800-04-8 HCAPLUS

CN Cyclohexaneacetic acid, .alpha.,.alpha.-dimethyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



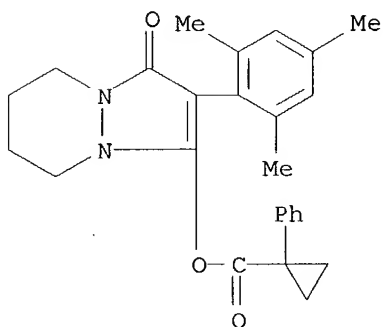
RN 180800-05-9 HCAPLUS

CN Cyclohexanecarboxylic acid, 1-methyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



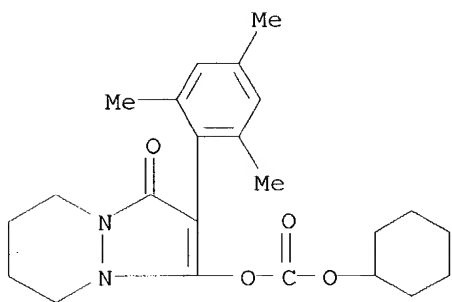
RN 180800-06-0 HCAPLUS

CN Cyclopropanecarboxylic acid, 1-phenyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



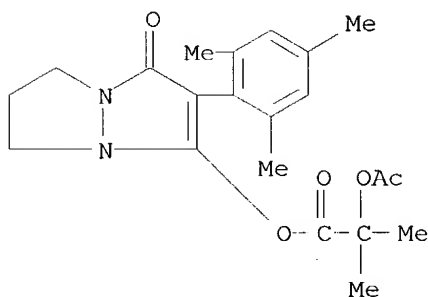
RN 180800-07-1 HCAPLUS

CN Carbonic acid, cyclohexyl 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



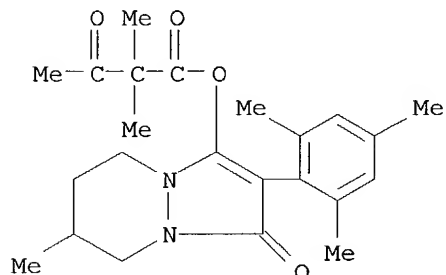
RN 180800-08-2 HCAPLUS

CN Propanoic acid, 2-(acetyloxy)-2-methyl-, 6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



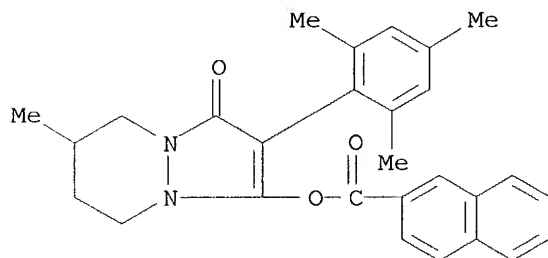
RN 180800-09-3 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-3-oxo-, 5,6,7,8-tetrahydro-7-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



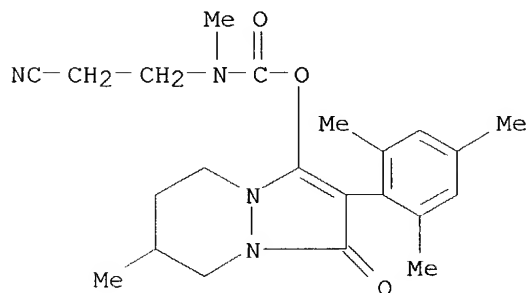
RN 180800-10-6 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 5,6,7,8-tetrahydro-7-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



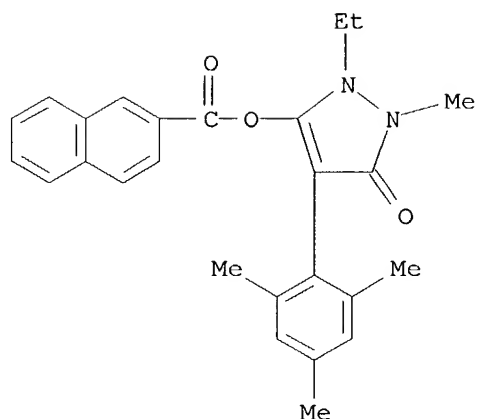
RN 180800-11-7 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)methyl-, 5,6,7,8-tetrahydro-7-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



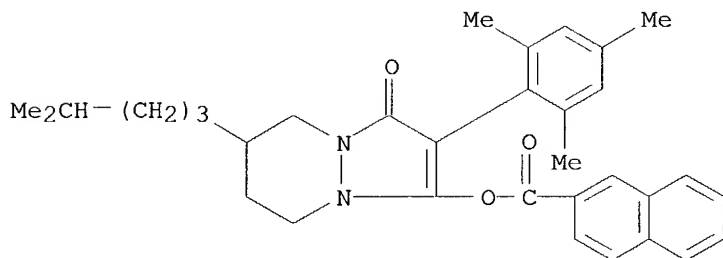
RN 180800-12-8 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 2-ethyl-2,5-dihydro-1-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



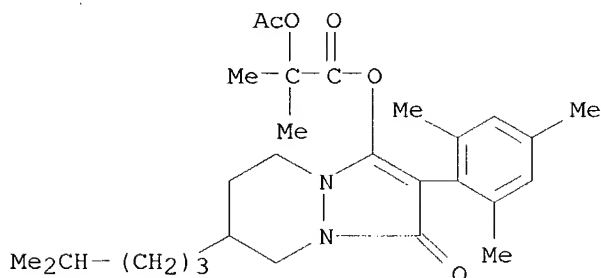
RN 180800-13-9 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 5,6,7,8-tetrahydro-7-(4-methylpentyl)-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI)
(CA INDEX NAME)



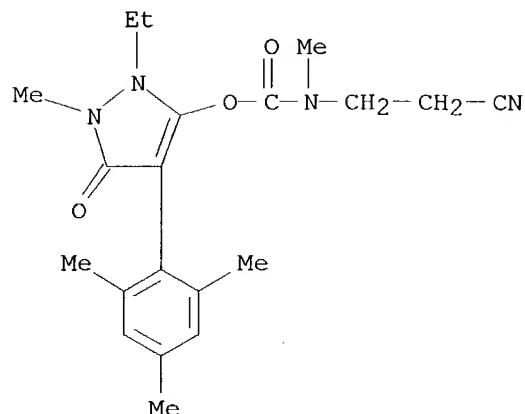
RN 180800-14-0 HCAPLUS

CN Propanoic acid, 2-(acetyloxy)-2-methyl-, 5,6,7,8-tetrahydro-7-(4-methylpentyl)-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



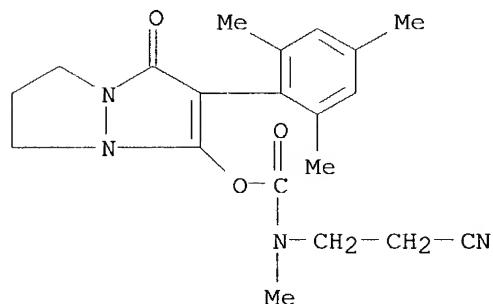
RN 180800-15-1 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)methyl-, 2-ethyl-2,5-dihydro-1-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



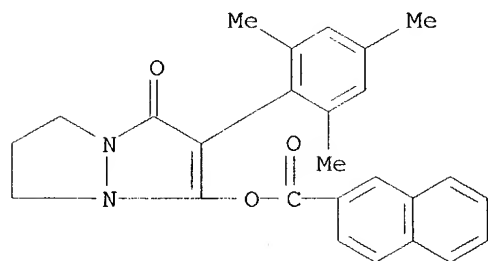
RN 180800-16-2 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)methyl-, 6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



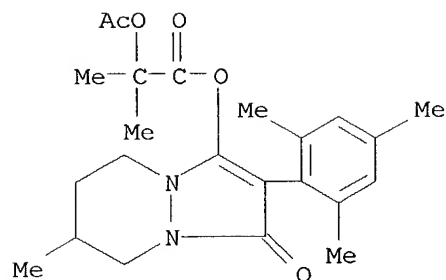
RN 180800-17-3 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



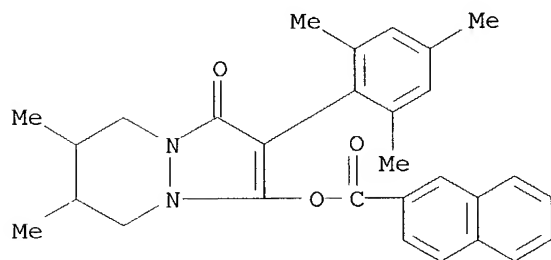
RN 180800-18-4 HCAPLUS

CN Propanoic acid, 2-(acetyloxy)-2-methyl-, 5,6,7,8-tetrahydro-7-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



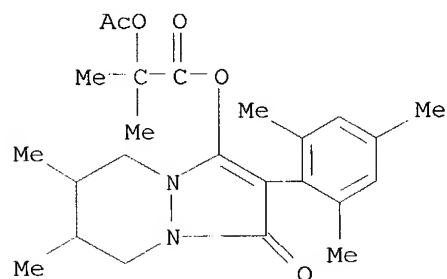
RN 180800-19-5 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 5,6,7,8-tetrahydro-6,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



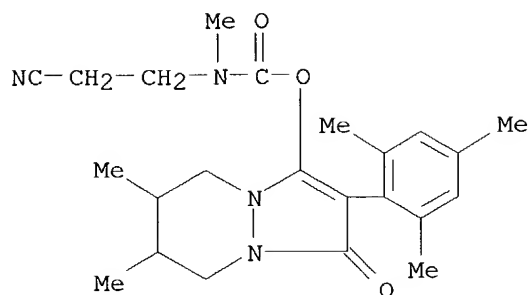
RN 180800-20-8 HCAPLUS

CN Propanoic acid, 2-(acetyloxy)-2-methyl-, 5,6,7,8-tetrahydro-6,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



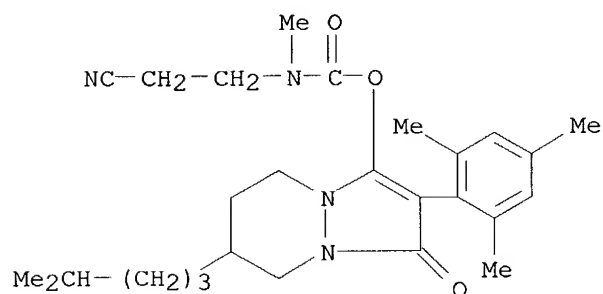
RN 180800-21-9 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)methyl-, 5,6,7,8-tetrahydro-6,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



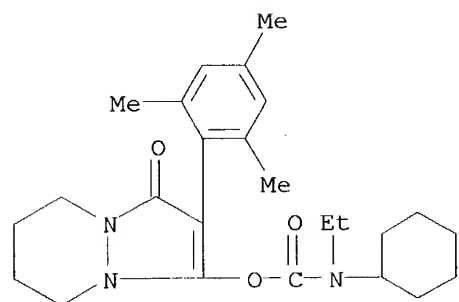
RN 180800-22-0 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)methyl-, 5,6,7,8-tetrahydro-7-(4-methylpentyl)-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



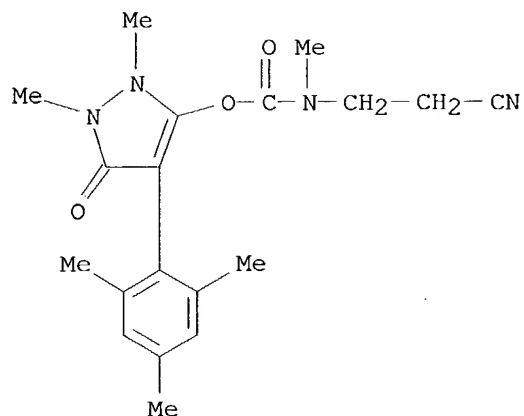
RN 180800-23-1 HCAPLUS

CN Carbamic acid, cyclohexylethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



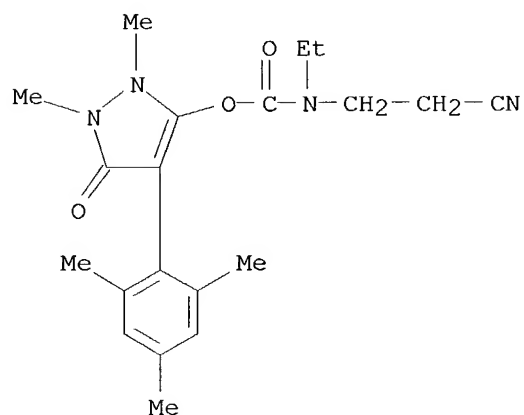
RN 180800-24-2 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)methyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



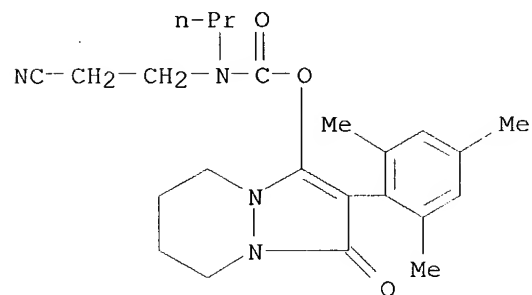
RN 180800-25-3 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)ethyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



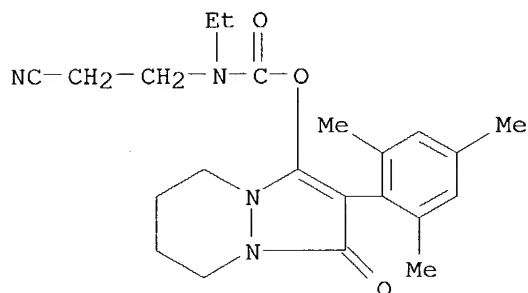
RN 180800-26-4 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)propyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



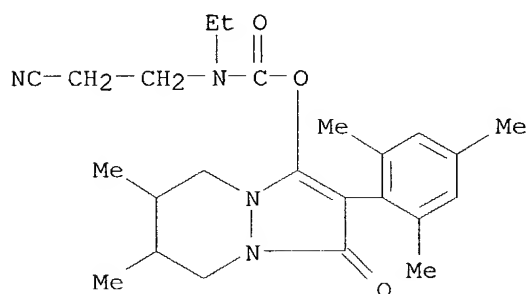
RN 180800-27-5 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)ethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



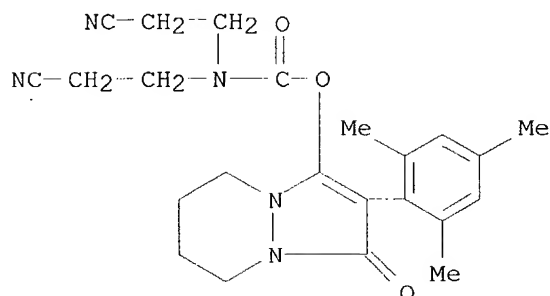
RN 180800-28-6 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)ethyl-, 5,6,7,8-tetrahydro-6,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-29-7 HCAPLUS

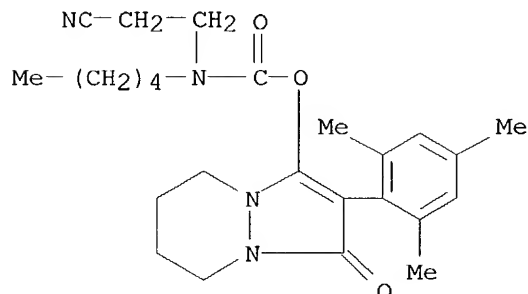
CN Carbamic acid, bis(2-cyanoethyl)-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-30-0 HCAPLUS

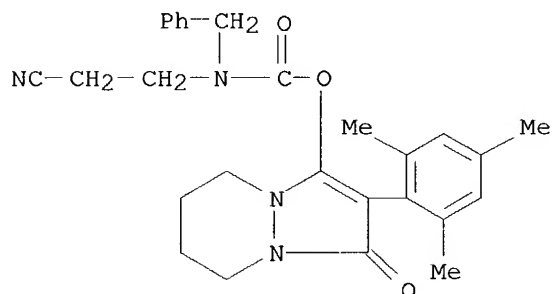
CN Carbamic acid, (2-cyanoethyl)pentyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-

trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



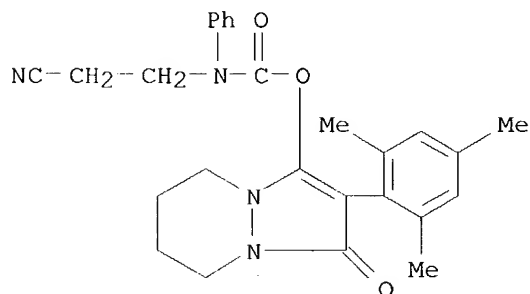
RN 180800-31-1 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)(phenylmethyl)-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-32-2 HCAPLUS

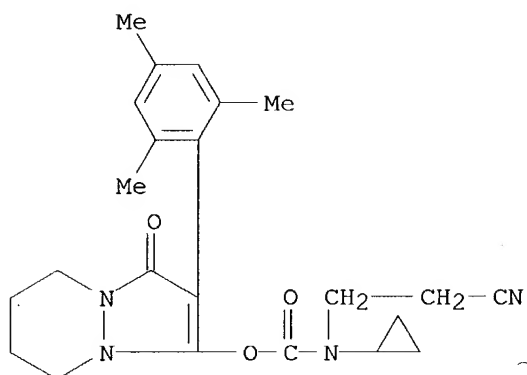
CN Carbamic acid, (2-cyanoethyl)phenyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-33-3 HCAPLUS

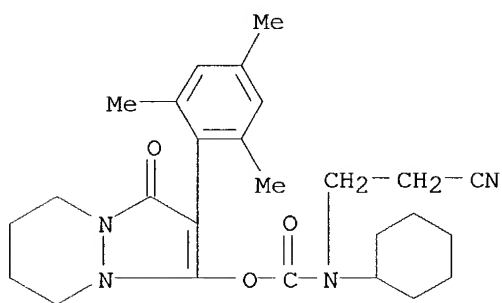
CN Carbamic acid, (2-cyanoethyl)cyclopropyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

INDEX NAME)



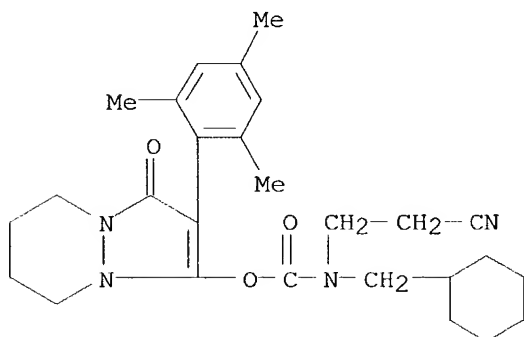
RN 180800-34-4 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)cyclohexyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



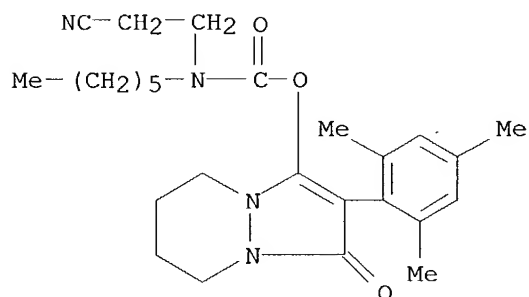
RN 180800-35-5 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)(cyclohexylmethyl)-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



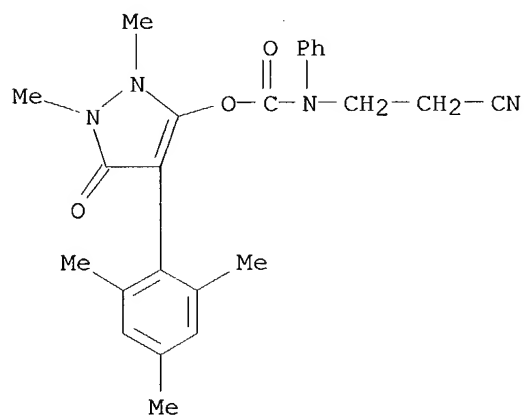
RN 180800-36-6 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)hexyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



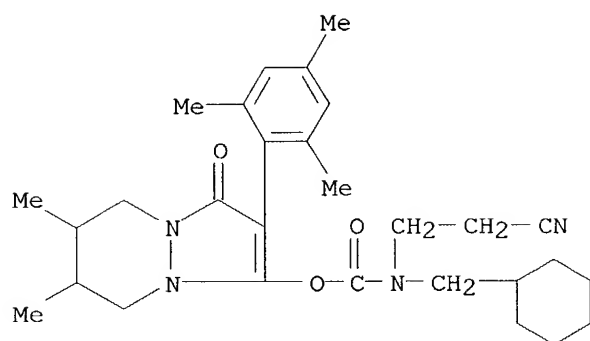
RN 180800-37-7 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)phenyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



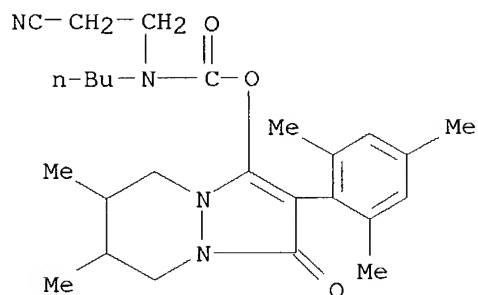
RN 180800-38-8 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)(cyclohexylmethyl)-, 5,6,7,8-tetrahydro-6,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



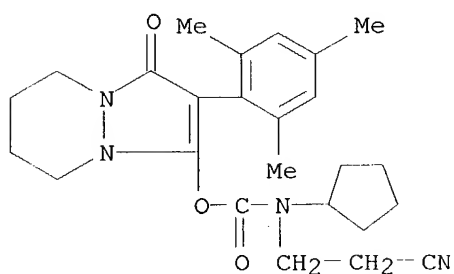
RN 180800-39-9 HCAPLUS

CN Carbamic acid, butyl (2-cyanoethyl)-, 5,6,7,8-tetrahydro-6,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI)
(CA INDEX NAME)



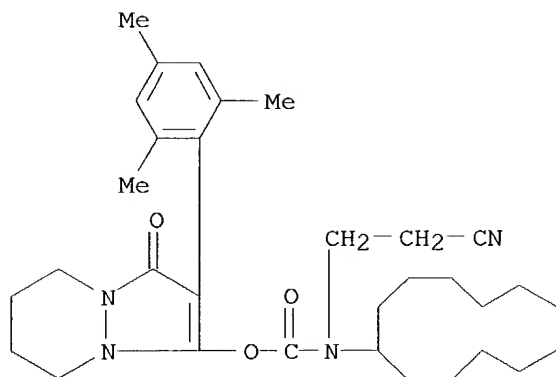
RN 180800-40-2 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)cyclopentyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



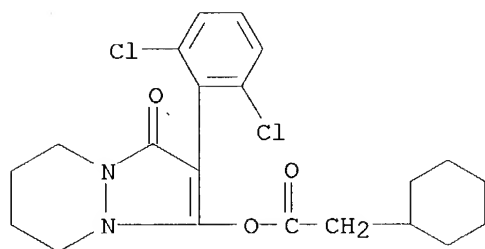
RN 180800-41-3 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)cyclododecyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



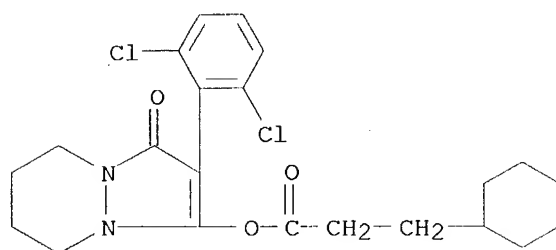
RN 180800-42-4 HCAPLUS

CN Cyclohexaneacetic acid, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



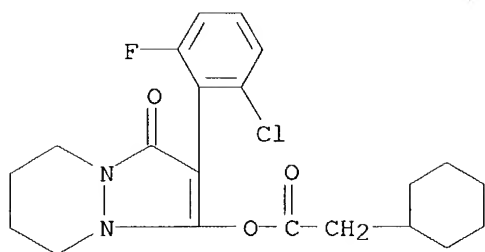
RN 180800-43-5 HCAPLUS

CN Cyclohexanepropanoic acid, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



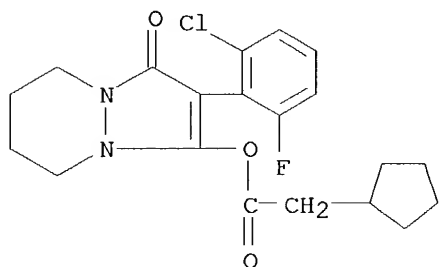
RN 180800-44-6 HCAPLUS

CN Cyclohexaneacetic acid, 2-(2-chloro-6-fluorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



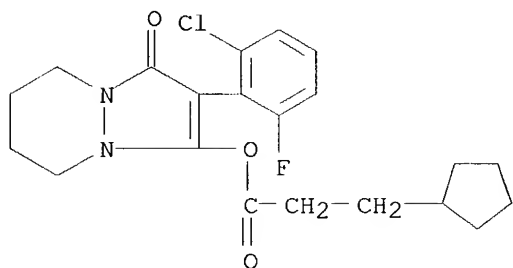
RN 180800-45-7 HCAPLUS

CN Cyclopentaneacetic acid, 2-(2-chloro-6-fluorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



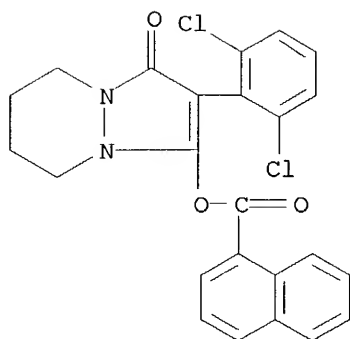
RN 180800-46-8 HCAPLUS

CN Cyclopentanepropanoic acid, 2-(2-chloro-6-fluorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



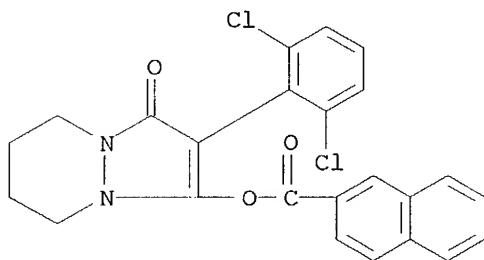
RN 180800-47-9 HCAPLUS

CN 1-Naphthalenecarboxylic acid, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



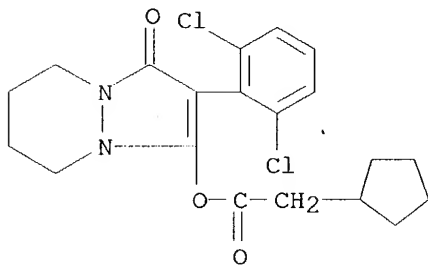
RN 180800-48-0 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



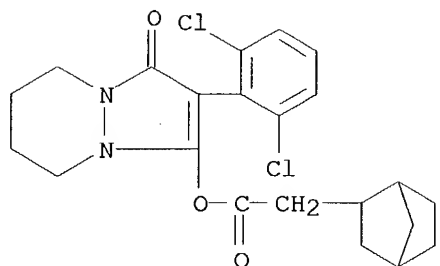
RN 180800-49-1 HCAPLUS

CN Cyclopentaneacetic acid, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



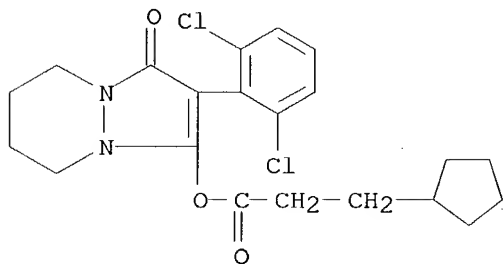
RN 180800-50-4 HCAPLUS

CN Bicyclo[2.2.1]heptane-2-acetic acid, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



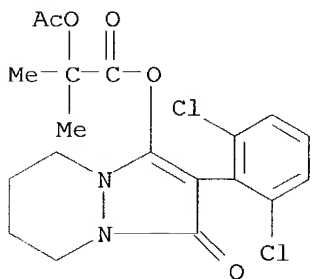
RN 180800-51-5 HCAPLUS

CN Cyclopentanepropanoic acid, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



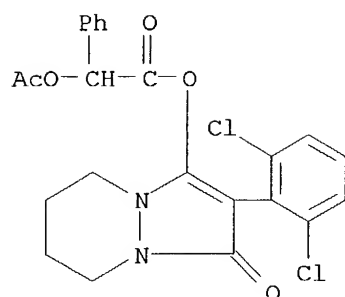
RN 180800-52-6 HCAPLUS

CN Propanoic acid, 2-(acetyloxy)-2-methyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



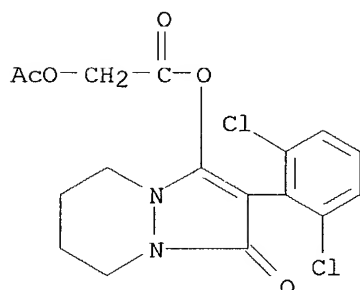
RN 180800-53-7 HCAPLUS

CN Benzeneacetic acid, .alpha.-(acetyloxy)-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



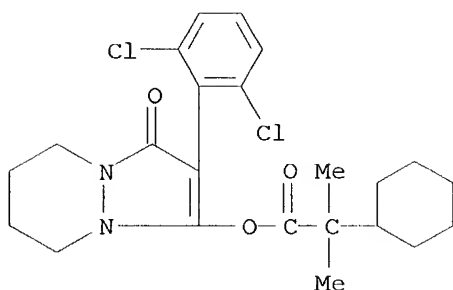
RN 180800-54-8 HCAPLUS

CN Acetic acid, (acetyloxy)-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



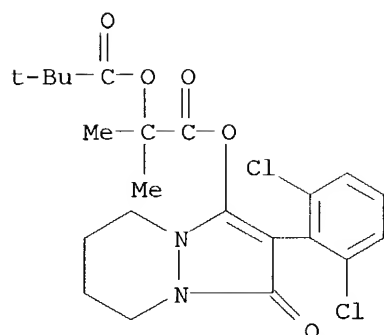
RN 180800-55-9 HCAPLUS

CN Cyclohexaneacetic acid, .alpha.,.alpha.-dimethyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



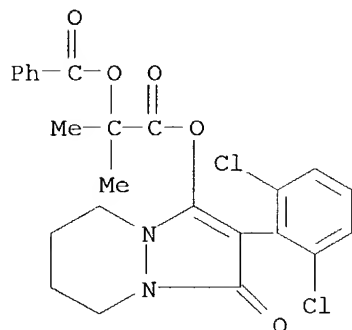
RN 180800-56-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-[[2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl]oxy]-1,1-dimethyl-2-oxoethyl ester (9CI) (CA INDEX NAME)



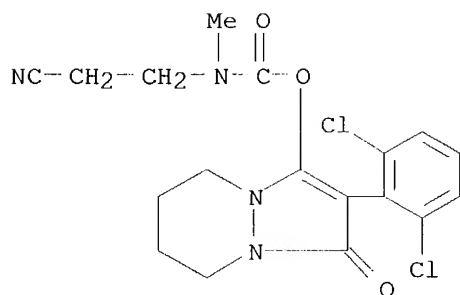
RN 180800-57-1 HCAPLUS

CN Propanoic acid, 2-(benzoyloxy)-2-methyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



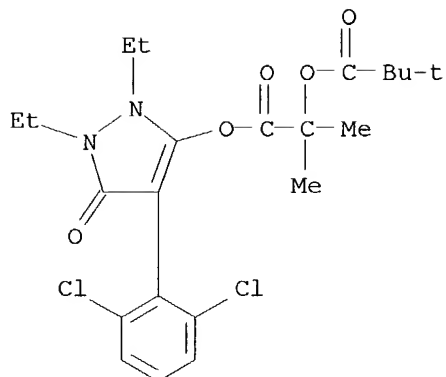
RN 180800-58-2 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)methyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



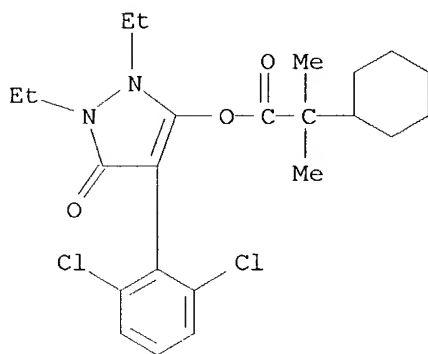
RN 180800-59-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-[[4-(2,6-dichlorophenyl)-1,2-diethyl-2,5-dihydro-5-oxo-1H-pyrazol-3-yl]oxy]-1,1-dimethyl-2-oxoethyl ester (9CI) (CA INDEX NAME)



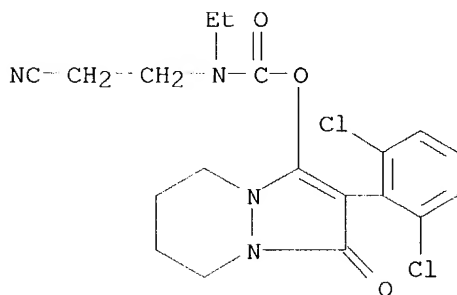
RN 180800-60-6 HCAPLUS

CN Cyclohexanecarboxylic acid, .alpha.,.alpha.-dimethyl-, 4-(2,6-dichlorophenyl)-1,2-diethyl-2,5-dihydro-5-oxo-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-61-7 HCAPLUS

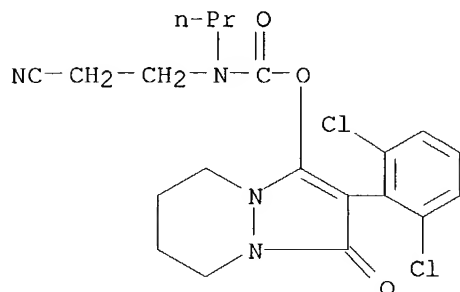
CN Carbamic acid, (2-cyanoethyl)ethyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-62-8 HCAPLUS

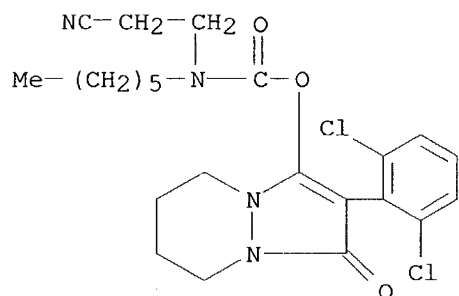
CN Carbamic acid, (2-cyanoethyl)propyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-

tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



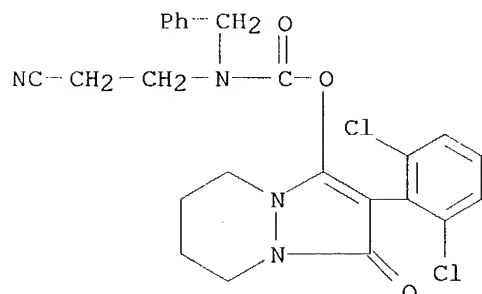
RN 180800-63-9 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)hexyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-64-0 HCAPLUS

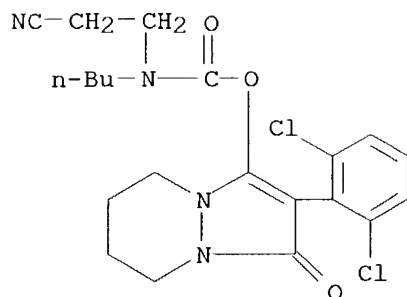
CN Carbamic acid, (2-cyanoethyl)(phenylmethyl)-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-65-1 HCAPLUS

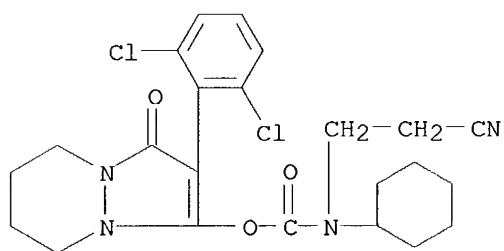
CN Carbamic acid, butyl(2-cyanoethyl)-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

NAME)



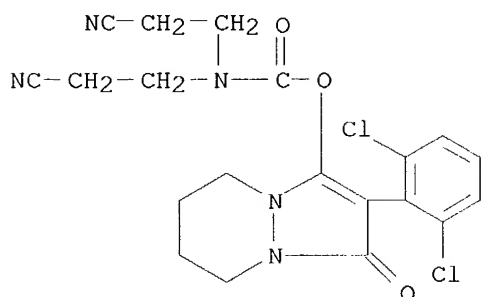
RN 180800-66-2 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)cyclohexyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



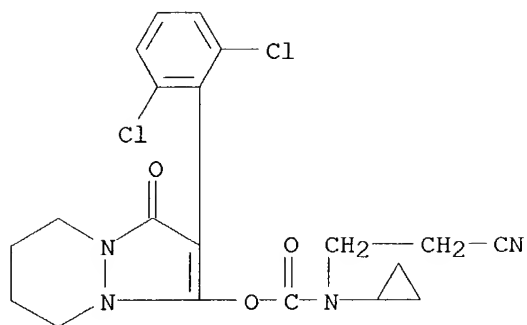
RN 180800-67-3 HCAPLUS

CN Carbamic acid, bis(2-cyanoethyl)-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



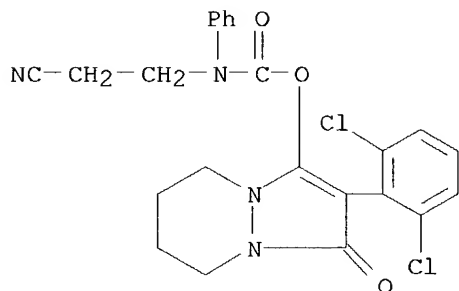
RN 180800-68-4 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)cyclopropyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



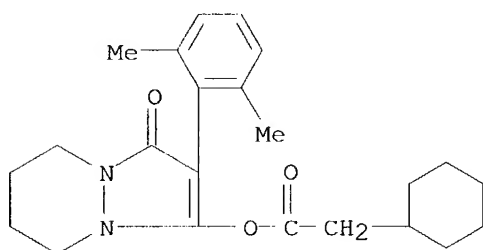
RN 180800-69-5 HCAPLUS

CN Carbamic acid, (2-cyanoethyl)phenyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



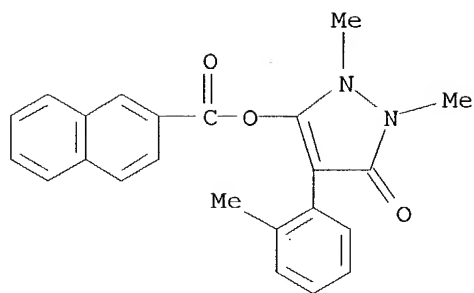
RN 180800-70-8 HCAPLUS

CN Cyclohexaneacetic acid, 2-(2,6-dimethylphenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



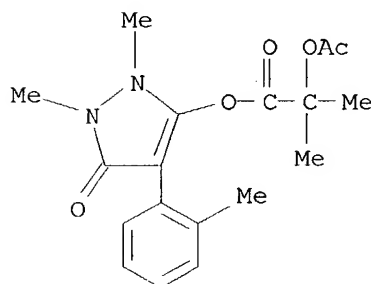
RN 180800-71-9 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 2,5-dihydro-1,2-dimethyl-4-(2-methylphenyl)-5-oxo-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



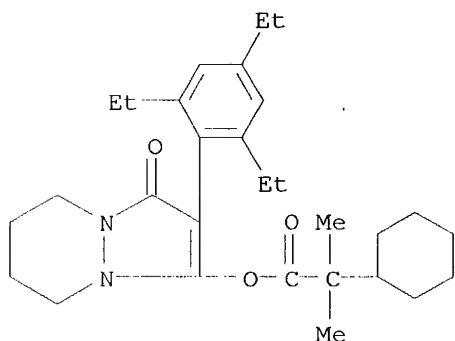
RN 180800-72-0 HCAPLUS

CN Propanoic acid, 2-(acetyloxy)-2-methyl-, 2,5-dihydro-1,2-dimethyl-4-(2-methylphenyl)-5-oxo-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



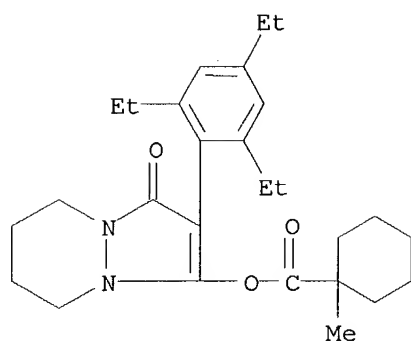
RN 180800-73-1 HCAPLUS

CN Cyclohexanecarboxylic acid, .alpha.,.alpha.-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-triethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



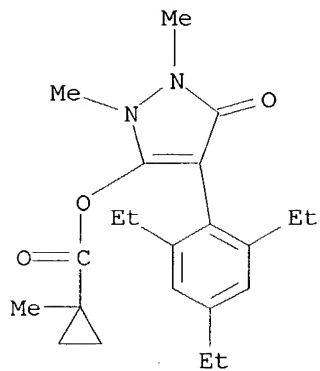
RN 180800-74-2 HCAPLUS

CN Cyclohexanecarboxylic acid, 1-methyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-triethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



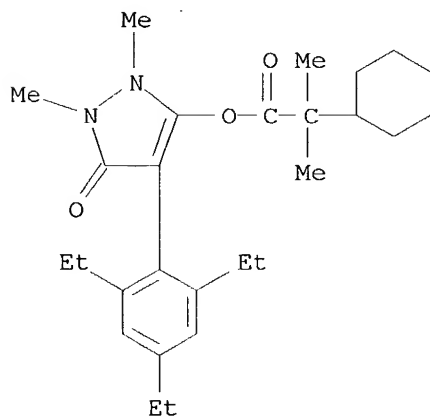
RN 180800-75-3 HCAPLUS

CN Cyclopropanecarboxylic acid, 1-methyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-triethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



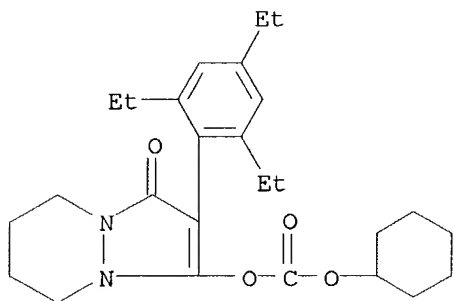
RN 180800-76-4 HCAPLUS

CN Cyclohexanecarboxylic acid, .alpha.,.alpha.-dimethyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-triethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



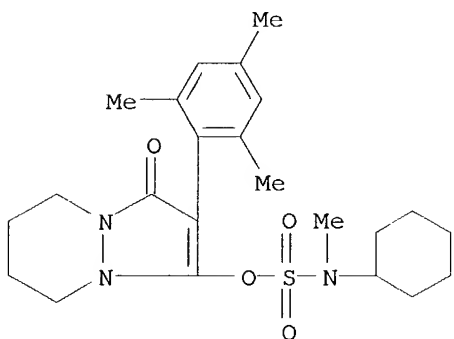
RN 180800-77-5 HCAPLUS

CN Carbonic acid, cyclohexyl 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-triethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



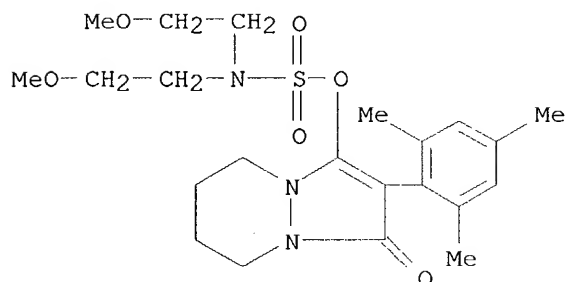
RN 180800-78-6 HCAPLUS

CN Sulfamic acid, cyclohexylmethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



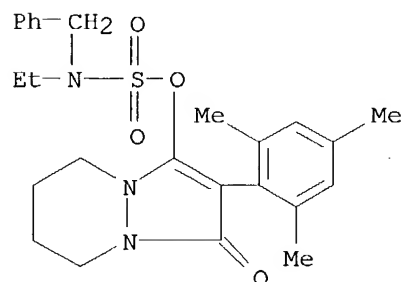
RN 180800-79-7 HCAPLUS

CN Sulfamic acid, bis(2-methoxyethyl)-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



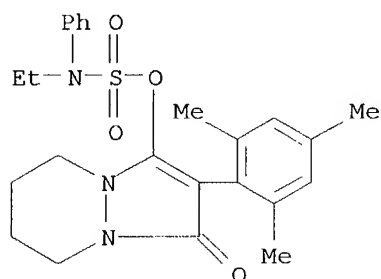
RN 180800-80-0 HCAPLUS

CN Sulfamic acid, ethyl(phenylmethyl)-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



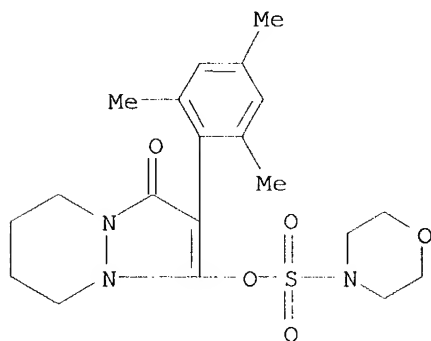
RN 180800-81-1 HCAPLUS

CN Sulfamic acid, ethylphenyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



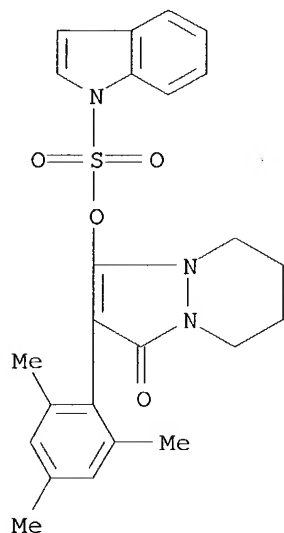
RN 180800-82-2 HCAPLUS

CN 4-Morpholinesulfonic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



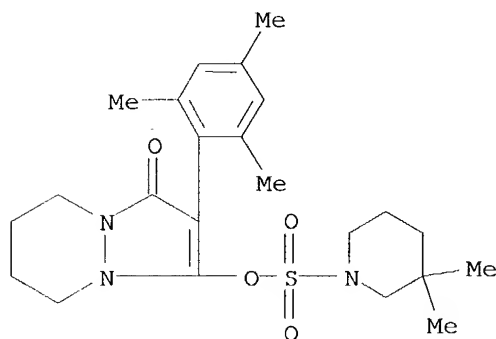
RN 180800-83-3 HCAPLUS

CN 1H-Indole-1-sulfonic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



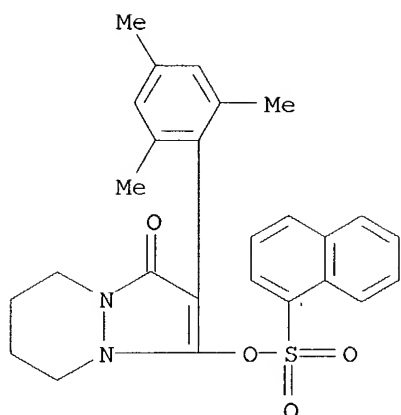
RN 180800-84-4 HCAPLUS

CN 1-Piperidinesulfonic acid, 3,3-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



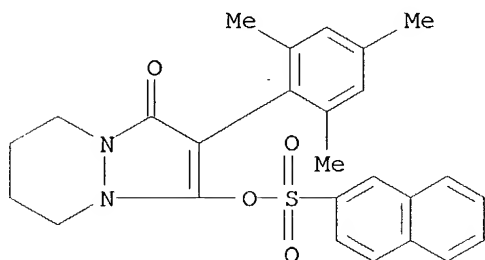
RN 180800-85-5 HCAPLUS

CN 1-Naphthalenesulfonic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



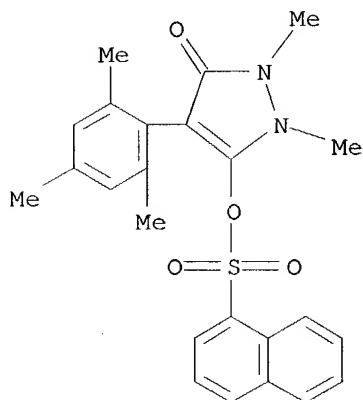
RN 180800-86-6 HCAPLUS

CN 2-Naphthalenesulfonic acid, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-87-7 HCAPLUS

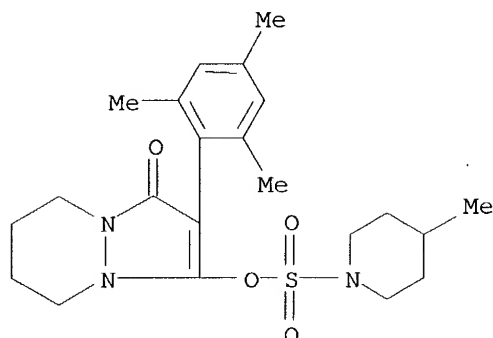
CN 1-Naphthalenesulfonic acid, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-88-8 HCAPLUS

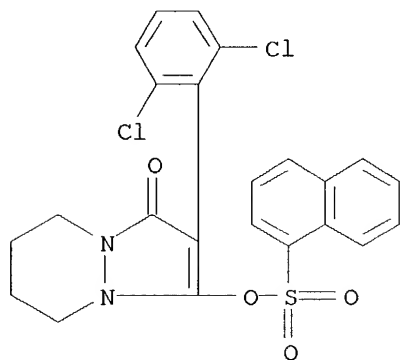
CN 1-Piperidinesulfonic acid, 4-methyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-

trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



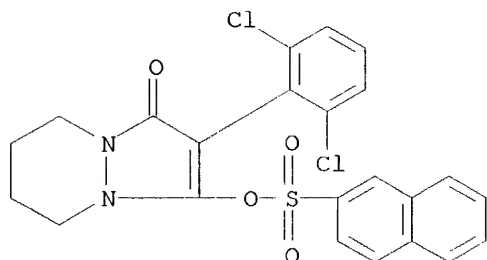
RN 180800-89-9 HCAPLUS

CN 1-Naphthalenesulfonic acid, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-90-2 HCAPLUS

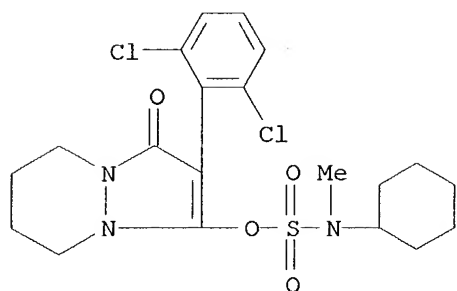
CN 2-Naphthalenesulfonic acid, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 180800-91-3 HCAPLUS

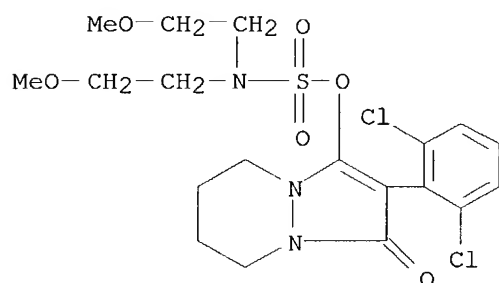
CN Sulfamic acid, cyclohexylmethyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

NAME)



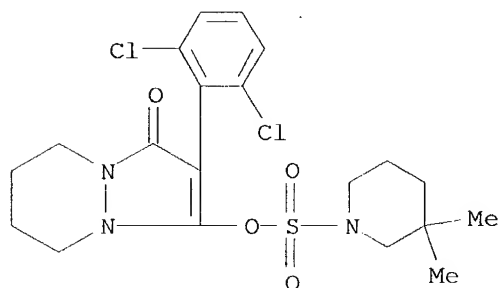
RN 180800-92-4 HCAPLUS

CN Sulfamic acid, bis(2-methoxyethyl)-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



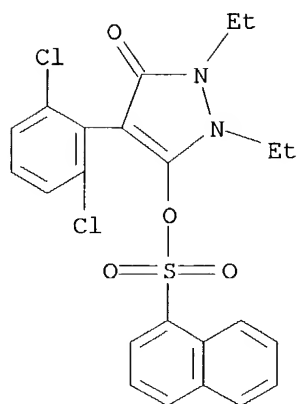
RN 180800-93-5 HCAPLUS

CN 1-Piperidinesulfonic acid, 3,3-dimethyl-, 2-(2,6-dichlorophenyl)-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



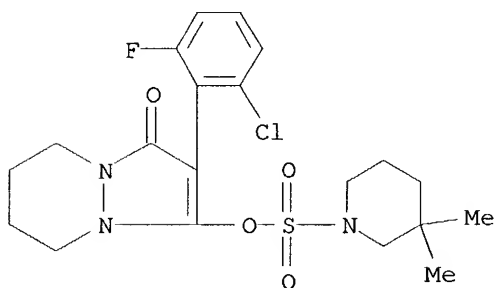
RN 180800-94-6 HCAPLUS

CN 1-Naphthalenesulfonic acid, 4-(2,6-dichlorophenyl)-1,2-diethyl-2,5-dihydro-5-oxo-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



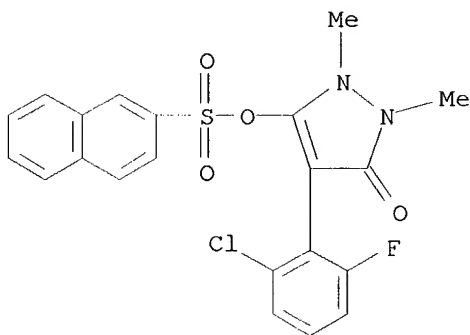
RN 180800-95-7 HCAPLUS

CN 1-Piperidinesulfonic acid, 3,3-dimethyl-, 2-(2-chloro-6-fluorophenyl)-
5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA
INDEX NAME)



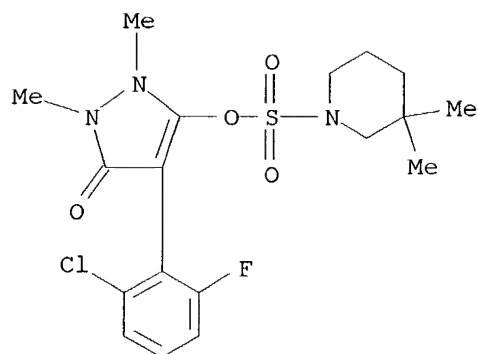
RN 180800-96-8 HCAPLUS

CN 2-Naphthalenesulfonic acid, 4-(2-chloro-6-fluorophenyl)-2,5-dihydro-1,2-
dimethyl-5-oxo-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)

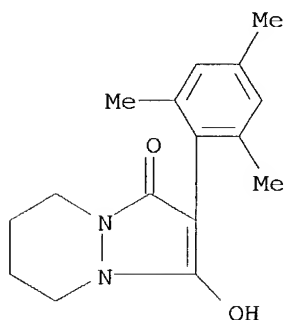


RN 180800-97-9 HCAPLUS

CN 1-Piperidinesulfonic acid, 3,3-dimethyl-, 4-(2-chloro-6-fluorophenyl)-2,5-
dihydro-1,2-dimethyl-5-oxo-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



IT **144757-98-2**, 3-Hydroxy-4-mesityl-5-oxo-1,2-tetramethylenepyrzoline
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (starting material; prepn. of pyrazoline derivs. as pesticides)
 RN 144757-98-2 HCAPLUS
 CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



L19 ANSWER 12 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1996:388344 HCAPLUS
 DOCUMENT NUMBER: 125:51494
 TITLE: Safened herbicidal compositions
 INVENTOR(S): Glock, Jutta; Hudetz, Manfred; Kerber, Elmar
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: PCT Int. Appl., 105 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9611574	A1	19960425	WO 1995-EP3935	19951005
W: AL, AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL,				

RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN
 RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT,
 LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE,
 SN, TD, TG

CA 2199636	AA 19960425	CA 1995-2199636	19951005
AU 9536536	A1 19960506	AU 1995-36536	19951005
EP 786937	A2 19970806	EP 1995-934134	19951005

R: AT, BE, CH, DE, ES, FR, GB, GR, LI, NL, PT

BR 9509374	A 19971230	BR 1995-9374	19951005
JP 10507189	T2 19980714	JP 1995-512904	19951005
ZA 9508712	A 19960710	ZA 1995-8712	19951016

PRIORITY APPLN. INFO.: CH 1994-3120 19941017
 WO 1995-EP3935 19951005

OTHER SOURCE(S): CASREACT 125:51494; MARPAT 125:51494

AB Selective herbicidal compns. for controlling grasses and weeds in crops comprise a herbicide and an antidote. The herbicide is I [R1 = (un)substituted Ph, naphthyl or pyridinyl etc.; A, B = H, alkyl, alkenyl, alkynyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, (un)substituted aryl; AB = divalent radical of a satd. or unsatd. (un)substituted mono-, bi-, tri- or polycyclic system; G = H, COR2, etc.; R2 = haloalkyl, haloalkenyl, etc.]. 2-(2,4,6-Trimethylphenyl)-5,6,7,8-tetrahydro-1H-pyrazolo[1,2-a]pyridazine-1,3(2H)dione (prepn. given) is an example. The antidotes are quinoline derivs. II [R2 = H, (un)substituted alkyl, etc.; X1 = H or Cl] or 1-phenylazole-3-carboxylic acid derivs. (Markush given).

IC ICM A01N043-90
 ICS A01N043-56; A01N025-32

CC 5-3 (Agrochemical Bioregulators)
 Section cross-reference(s): 28

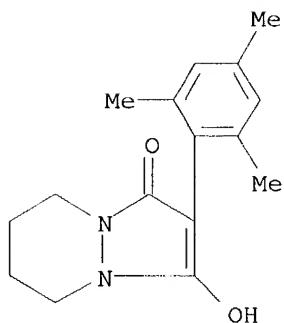
IT **144757-98-2P**
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. as **herbicide**)

IT 178177-63-4 178177-65-6 **178177-67-8**
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (safener **herbicidal** compn.)

IT **144757-98-2P**
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. as **herbicide**)

RN 144757-98-2 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



IT 178177-67-8

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safener **herbicidal** compn.)

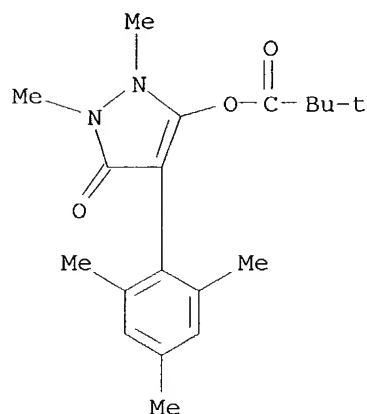
RN 178177-67-8 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester, compd. with 1-methylhexyl [(5-chloro-8-quinolinyl)oxy]acetate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 178177-66-7

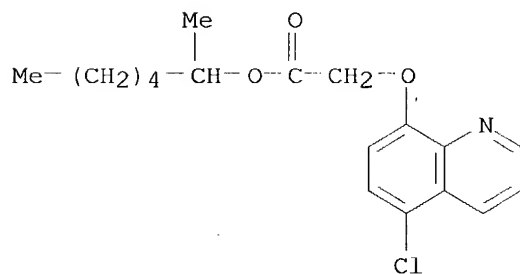
CMF C19 H26 N2 O3



CM 2

CRN 99607-70-2

CMF C18 H22 Cl N O3



L19 ANSWER 13 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1995:444237 HCAPLUS

DOCUMENT NUMBER: 122:213917

TITLE: Substituted aryl keto-enol heterocycles useful as pesticides

INVENTOR(S): Bachmann, Juergen; Bretschneider, Thomas; Fischer,

Reiner; Krueger, Bernd-Wieland; Santel, Hans-Joachim;
 Dollinger, Markus; Erdelen, Christoph;
 Wachendorff-Neumann, Ulrike
 PATENT ASSIGNEE(S): Bayer A.-G., Germany
 SOURCE: Ger. Offen., 29 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4413669	A1	19950112	DE 1994-4413669	19940420
WO 9501971	A1	19950119	WO 1994-EP2042	19940622
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, NO, NZ, PL, RO, RU, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9470726	A1	19950206	AU 1994-70726	19940622
EP 707576	A1	19960424	EP 1994-919657	19940622
EP 707576	B1	19990303		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, PT				
BR 9407006	A	19960806	BR 1994-7006	19940622
CN 1129444	A	19960821	CN 1994-193093	19940622
HU 73746	A2	19960930	HU 1996-34	19940622
JP 09500116	T2	19970107	JP 1995-503788	19940622
JP 3404747	B2	20030512		
AT 177093	E	19990315	AT 1994-919657	19940622
ES 2130431	T3	19990701	ES 1994-919657	19940622
US 5683965	A	19971104	US 1996-569194	19960513
PRIORITY APPLN. INFO.:			DE 1993-4322273	A1 19930705
			DE 1994-4413669	A 19940420
			WO 1994-EP2042	W 19940622
OTHER SOURCE(S):		CASREACT 122:213917; MARPAT 122:213917		
AB	Title compds. I [X = alkyl, halo, alkoxy; Y = H, alkyl, halo, alkoxy, haloalkyl; Z = alkyl, halo, alkoxy; n = 0-3; Het = group Q1, Q2, or Q3; A, B, E = H, (halo-substituted) alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, (hetero)cycloalkyl, (un)substituted (hetero)aryl, aralkyl; or AB or AE forms (un)satd., (un)interrupted, and/or (un)substituted ring(s); L = alkanediyl; M = variety of org. terminal structures and functional groups including cyano, amide, esters, (thio)ethers, alkynyl, aryl, etc.] and their enantiomers are claimed, and over 30 specific examples are given. The compds. are useful as pesticides, particularly as acaricides, insecticides, fungicides, and herbicides. For example, O-alkylation of 3-(2,4,6-trimethylphenyl)-4-hydroxy-5,5-pentamethylene-.DELTA.3-dihydrofuran-2-one by ClCH2OEt in CH2Cl2 in the presence of Et3N and a small amt. of DMAP at 0-10.degree. gave 53% title compd. II. At a rate of 0.02% (spray), II gave 98% kill of OP-resistant Tetranychus urticae, and 100% kill of Panonychus ulmi, after 7 days. Addnl. insecticidal and preemergence herbicidal results are given.			
IC	ICM C07D307-94 ICS C07D307-60; C07D207-36; C07D209-96; C07D231-34; C07D471-04; A01N043-08; A01N043-12; A01N043-36; A01N043-56; A01N043-90			
ICI	C07D471-04, C07D221-00, C07D209-00; C07D471-04, C07D231-00, C07D237-00			
CC	27-6 (Heterocyclic Compounds (One Hetero Atom)) Section cross-reference(s): 5			

IT Acaricides

Defoliants

Herbicides

Insecticides

Pesticides

Plant desiccants

(prepn. of substituted aryl keto-enol heterocycles as pesticides)

IT 161800-24-4P 161800-25-5P 161800-26-6P 161800-27-7P 161800-28-8P
 161800-29-9P 161800-30-2P 161800-31-3P 161800-32-4P 161800-33-5P
 161800-34-6P 161800-35-7P 161800-36-8P 161800-37-9P 161800-38-0P
 161800-39-1P 161800-40-4P 161800-41-5P 161800-42-6P 161800-43-7P
 161800-44-8P 161800-45-9P 161800-46-0P 161800-47-1P 161800-48-2P
 161800-49-3P 161800-50-6P 161800-51-7P 161800-52-8P 161800-53-9P
 161800-54-0P 161800-55-1P 161800-56-2P **161800-57-3P**

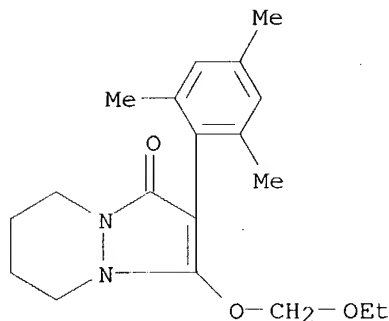
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of substituted aryl keto-enol heterocycles as pesticides)

IT **161800-57-3P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of substituted aryl keto-enol heterocycles as pesticides)

RN 161800-57-3 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 3-(ethoxymethoxy)-5,6,7,8-tetrahydro-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



L19 ANSWER 14 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1995:227595 HCAPLUS

DOCUMENT NUMBER: 122:25904

TITLE: Preparation of 3-hydroxy-4-aryl-5-oxopyrazoline derivatives as insecticides, acaricides and herbicides.

INVENTOR(S): Krueger, Bernd-Wieland; Fischer, Reiner; Bertram, Heinz-Juergen; Bretschneider, Thomas; Boehm, Stefan; Krebs, Andreas; Schenke, Thomas; Santel, Hans-Joachim; Lurssen, Klaus; et al.

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: U.S., 30 pp. Cont.-in-part of U.S. Ser. No. 849,863, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5358924	A	19941025	US 1992-999058	19921231
DE 4109208	A1	19920924	DE 1991-4109208	19910321
US 5474974	A	19951212	US 1994-233911	19940428
US 5661110	A	19970826	US 1995-476171	19950607
US 5739389	A	19980414	US 1996-774469	19961230
US 5780394	A	19980714	US 1997-788715	19970123
US 6221810	B1	20010424	US 1998-52290	19980331

PRIORITY APPLN. INFO.:
 DE 1991-4109208 A 19910321
 US 1992-849863 B2 19920312
 US 1992-968888 A2 19921216
 US 1992-999058 A3 19921231
 US 1994-233911 A3 19940428
 US 1995-476171 A3 19950607
 US 1997-788715 A3 19970123

OTHER SOURCE(S): MARPAT 122:25904

AB The 3-hydroxy-4-aryl-5-oxopyrazoline derivs. I [A,B= H, alkyl, alkenyl, alkynyl, alkoxyalkyl, alkythioalkyl, cycloalkyl or (un)substituted aryl; AB= bivalent radical of an (un)satd. (un)substituted mono-, bi-, tri- or polycyclic system; X,Zn = W, where Z = alkyl, halo or alkoxy; Y=X,H,haloalkyl and n=0, 1-3; G=H,COR1, etc.; R1=(halo)alkyl, alkenyl, alkynyl, etc.] are prepd. as insecticides, acaricides or herbicides. Mesityl chlorocarbonyl ketene was reacted with piperidazine in Et3N-contg. ether, to give 3-hydroxy-4-mesityl-5-oxo-1,2-tetramethylenepyrzoline (II). II (1%) totally controlled *Lucilia cuprina* larvae.

IC ICM A01N057-24
 ICS C07D237-26; C07F009-40
 NCL 504197000
 CC 5-4 (Agrochemical Bioregulators)
 Section cross-reference(s): 28

IT Acaricides
 Herbicides
 Insecticides
 (prepn. of hydroxy(aryl)oxopyrazoline derivs. as insecticides, acaricides and herbicides)

IT 144758-00-9P 144758-01-0P 144758-02-1P
 144758-03-2P 144758-04-3P 144758-05-4P
 144758-06-5P 144758-07-6P 144758-08-7P
 144758-09-8P 144758-10-1P 144758-11-2P
 144758-12-3P 144758-13-4P 144758-14-5P
 144758-15-6P 144758-16-7P 144758-17-8P
 144758-18-9P 144758-19-0P 144758-20-3P
 144758-21-4P 144758-22-5P 144758-23-6P
 144758-25-8P 159796-86-8P 159796-87-9P
 159796-88-0P 159796-89-1P 159796-90-4P
 159796-91-5P 159796-92-6P 159796-93-7P
 159796-94-8P 159796-95-9P 159796-96-0P
 159796-97-1P 159796-98-2P 159796-99-3P
 159797-00-9P 159797-01-0P 159797-02-1P
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159797-09-8P 159797-10-1P 159797-11-2P

159797-12-3P 159797-13-4P 159797-14-5P

159797-15-6P 159797-16-7P 159797-17-8P

159797-18-9P 159797-19-0P 159797-20-3P

159797-21-4P 159797-22-5P 159797-23-6P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of hydroxy(aryl)oxopyrazoline derivs. as insecticides, acaricides and herbicides)

IT 144758-00-9P 144758-01-0P 144758-02-1P

144758-03-2P 144758-04-3P 144758-05-4P

144758-06-5P 144758-07-6P 144758-08-7P

144758-09-8P 144758-10-1P 144758-11-2P

144758-12-3P 144758-13-4P 144758-14-5P

144758-15-6P 144758-16-7P 144758-17-8P

144758-18-9P 144758-19-0P 144758-20-3P

144758-21-4P 144758-22-5P 144758-23-6P

144758-25-8P 159796-86-8P 159796-87-9P

159796-88-0P 159796-89-1P 159796-90-4P

159796-91-5P 159796-92-6P 159796-93-7P

159796-94-8P 159796-95-9P 159796-96-0P

159796-97-1P 159796-98-2P 159796-99-3P

159797-00-9P 159797-01-0P 159797-02-1P

159797-03-2P 159797-04-3P 159797-05-4P

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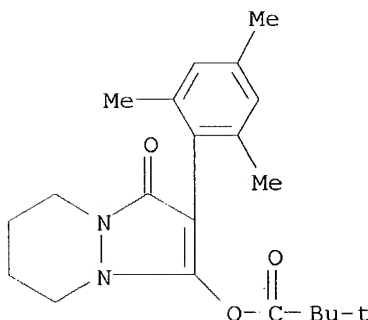
159797-21-4P 159797-22-5P 159797-23-6P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of hydroxy(aryl)oxopyrazoline derivs. as insecticides, acaricides and herbicides)

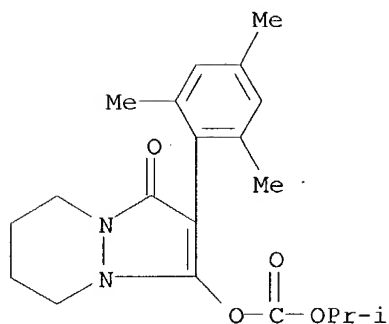
RN 144758-00-9 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



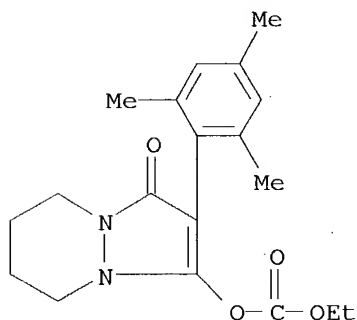
RN 144758-01-0 HCAPLUS

CN Carbonic acid, 1-methylethyl 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



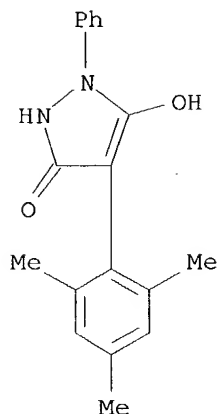
RN 144758-02-1 HCAPLUS

CN Carbonic acid, ethyl 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 144758-03-2 HCAPLUS

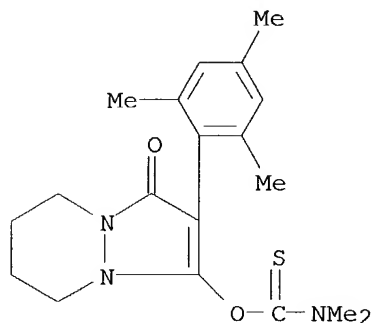
CN 3H-Pyrazol-3-one, 1,2-dihydro-5-hydroxy-1-phenyl-4-(2,4,6-trimethylphenyl)-(9CI) (CA INDEX NAME)



RN 144758-04-3 HCAPLUS

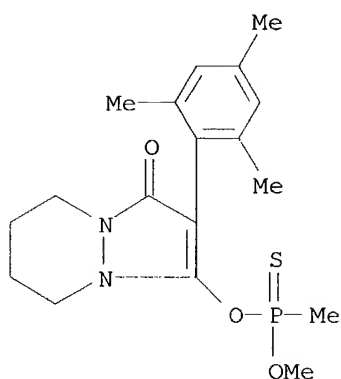
CN Carbamothioic acid, dimethyl-, O-[5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-

trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester (9CI) (CA INDEX NAME)



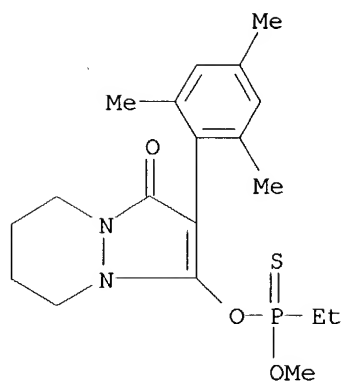
RN 144758-05-4 HCAPLUS

CN Phosphonothioic acid, methyl-, O-methyl O-[5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester (9CI) (CA INDEX NAME)



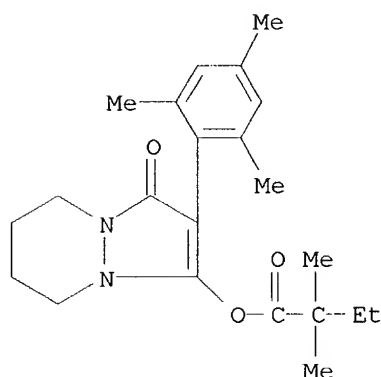
RN 144758-06-5 HCAPLUS

CN Phosphonothioic acid, ethyl-, O-methyl O-[5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester (9CI) (CA INDEX NAME)



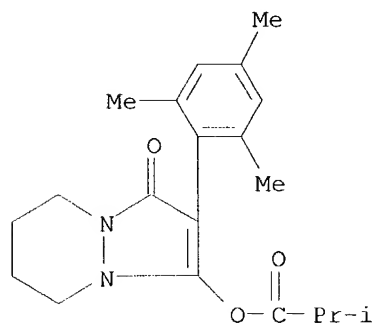
RN 144758-07-6 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 144758-08-7 HCAPLUS

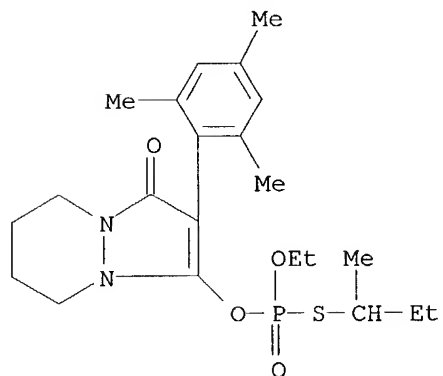
CN Propanoic acid, 2-methyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 144758-09-8 HCAPLUS

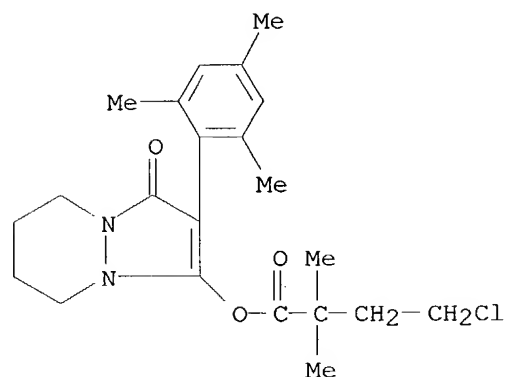
CN Phosphorothioic acid, O-ethyl S-(1-methylpropyl) O-[5,6,7,8-tetrahydro-1-

oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester
(9CI) (CA INDEX NAME)



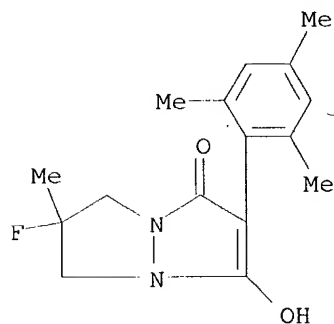
RN 144758-10-1 HCAPLUS

CN Butanoic acid, 4-chloro-2,2-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

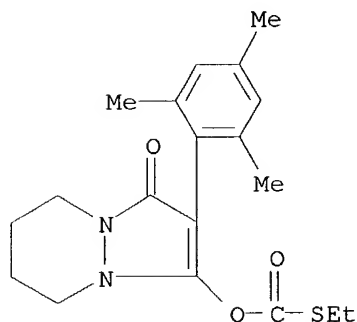


RN 144758-11-2 HCAPLUS

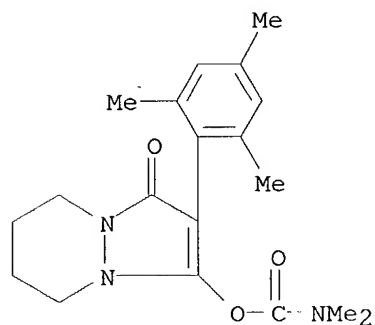
CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 6-fluoro-6,7-dihydro-3-hydroxy-6-methyl-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



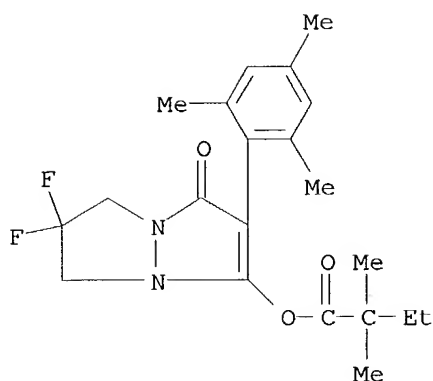
RN 144758-12-3 HCAPLUS
CN Carbonothioic acid, S-ethyl O-[5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester (9CI) (CA INDEX NAME)



RN 144758-13-4 HCAPLUS
CN Carbamic acid, dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

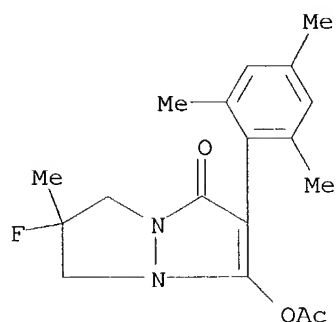


RN 144758-14-5 HCAPLUS
CN Butanoic acid, 2,2-dimethyl-, 6,6-difluoro-6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



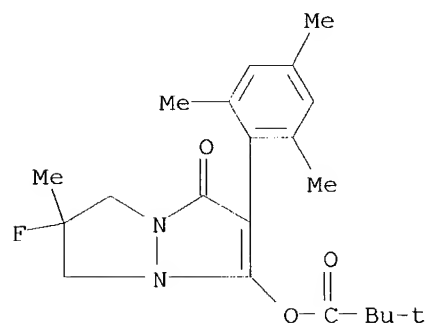
RN 144758-15-6 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 3-(acetyloxy)-6-fluoro-6,7-dihydro-6-methyl-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



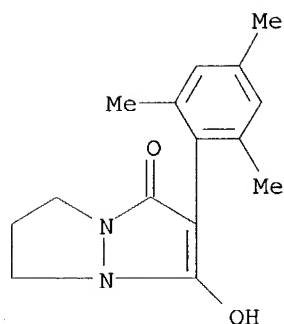
RN 144758-16-7 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 6-fluoro-6,7-dihydro-6-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



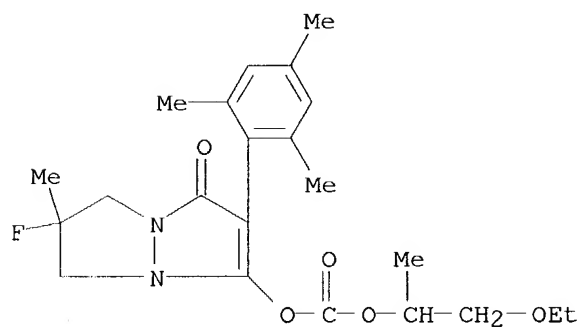
RN 144758-17-8 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 6,7-dihydro-3-hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



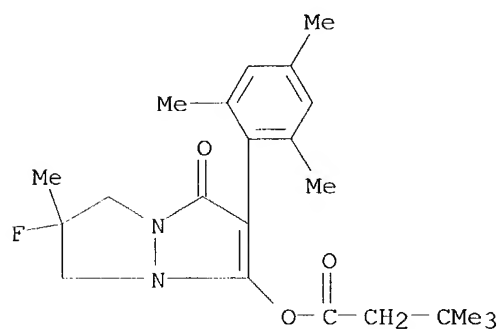
RN 144758-18-9 HCAPLUS

CN Carbonic acid, 2-ethoxy-1-methylethyl 6-fluoro-6,7-dihydro-6-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



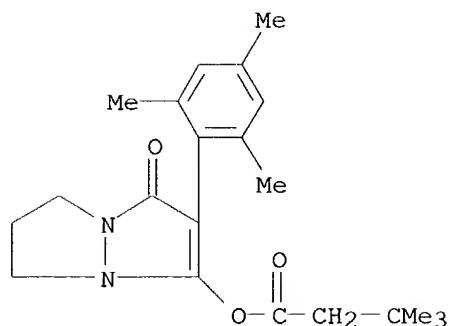
RN 144758-19-0 HCAPLUS

CN Butanoic acid, 3,3-dimethyl-, 6-fluoro-6,7-dihydro-6-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



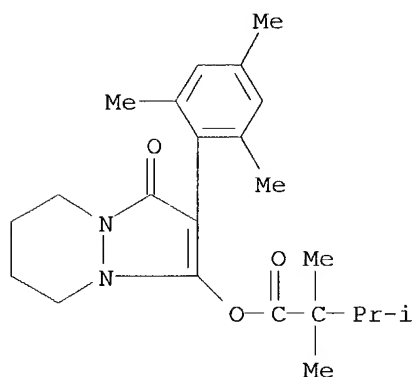
RN 144758-20-3 HCAPLUS

CN Butanoic acid, 3,3-dimethyl-, 6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



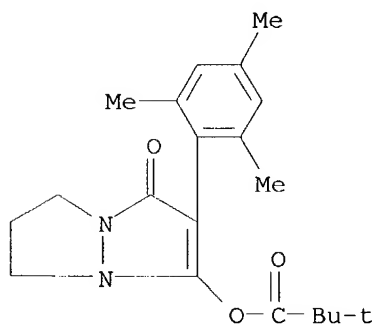
RN 144758-21-4 HCAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 144758-22-5 HCAPLUS

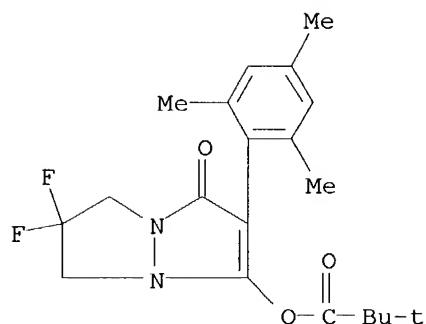
CN Propanoic acid, 2,2-dimethyl-, 6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



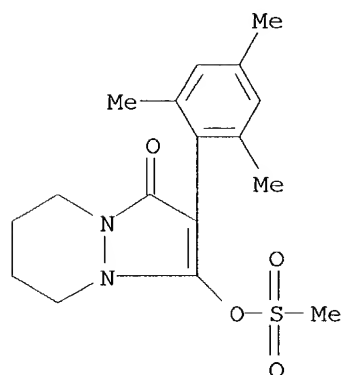
RN 144758-23-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 6,6-difluoro-6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)

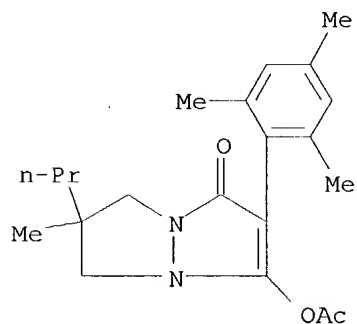
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RN 144758-25-8 HCAPLUS

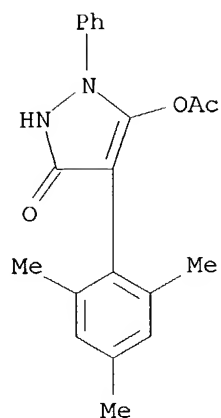
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-
[(methanesulfonyl)oxy]-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)

RN 159796-86-8 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 3-(acetyloxy)-6,7-dihydro-6-methyl-6-
propyl-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)

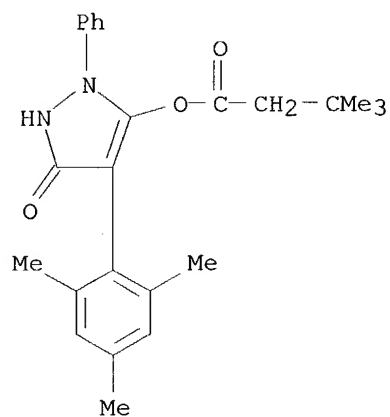
RN 159796-87-9 HCAPLUS

CN 3H-Pyrazol-3-one, 5-(acetyloxy)-1,2-dihydro-1-phenyl-4-(2,4,6-
trimethylphenyl)- (9CI) (CA INDEX NAME)



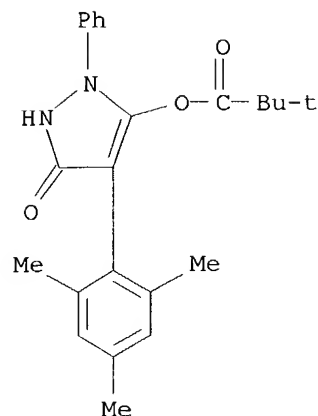
RN 159796-88-0 HCAPLUS

CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-2-phenyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



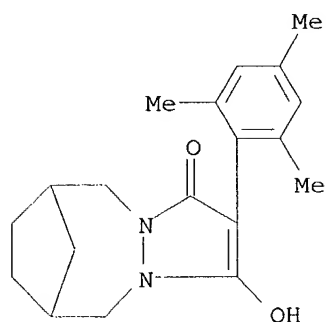
RN 159796-89-1 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-2-phenyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



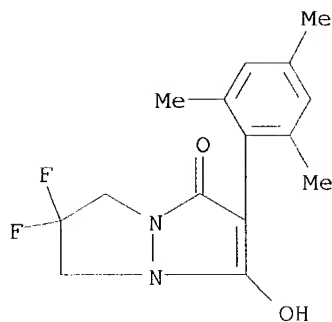
RN 159796-90-4 HCAPLUS

CN 6,9-Methano-1H-pyrazolo[1,2-a][1,2]diazocin-1-one, 5,6,7,8,9,10-hexahydro-3-hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



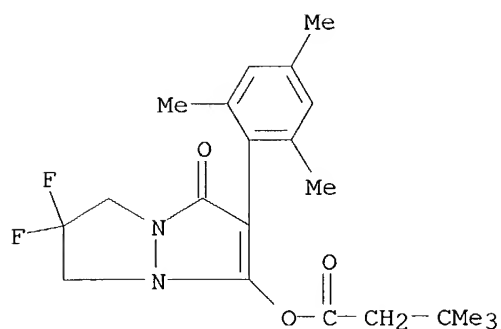
RN 159796-91-5 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 6,6-difluoro-6,7-dihydro-3-hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



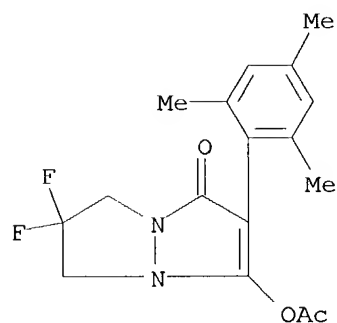
RN 159796-92-6 HCAPLUS

CN Butanoic acid, 3,3-dimethyl-, 6,6-difluoro-6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



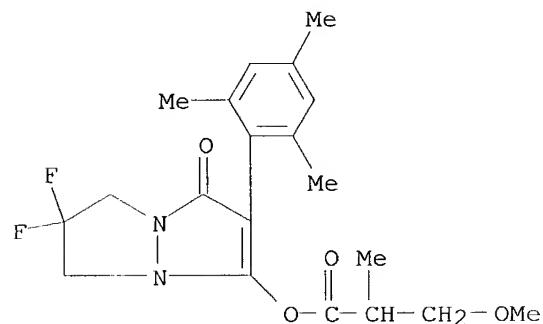
RN 159796-93-7 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 3-(acetyloxy)-6,6-difluoro-6,7-dihydro-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



RN 159796-94-8 HCAPLUS

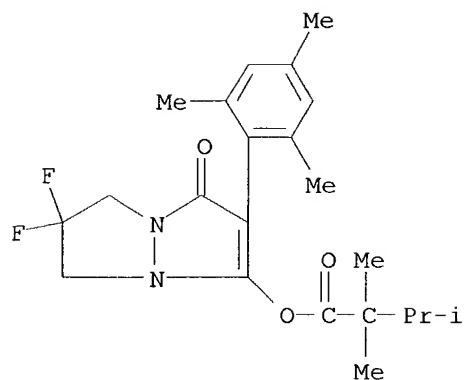
CN Propanoic acid, 3-methoxy-2-methyl-, 6,6-difluoro-6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 159796-95-9 HCAPLUS

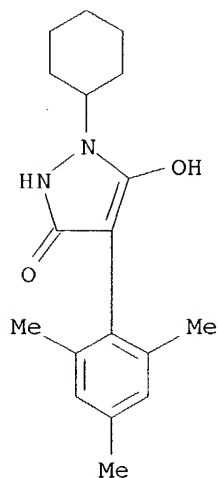
CN Butanoic acid, 2,2,3-trimethyl-, 6,6-difluoro-6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)

NAME)



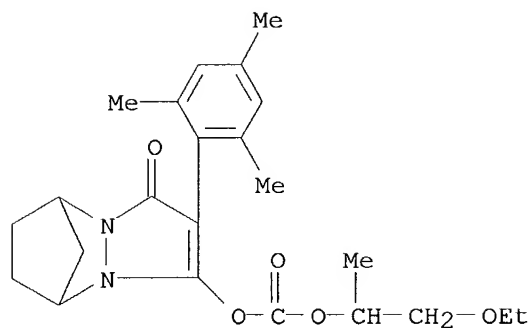
RN 159796-96-0 HCAPLUS

CN 3H-Pyrazol-3-one, 1-cyclohexyl-1,2-dihydro-5-hydroxy-4-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



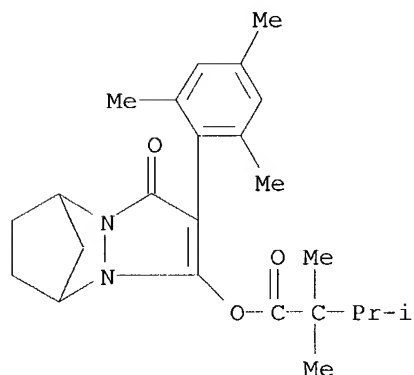
RN 159796-97-1 HCAPLUS

CN Carbonic acid, 2-ethoxy-1-methylethyl 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-5,8-methano-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



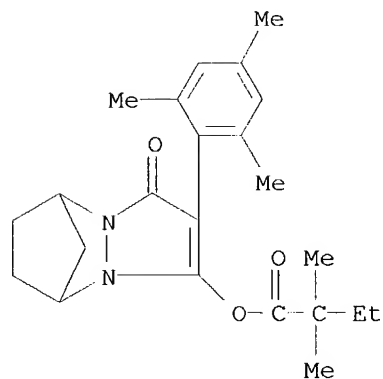
RN 159796-98-2 HCAPLUS

Butanoic acid, 2,2,3-trimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-5,8-methano-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI)
(CA INDEX NAME)



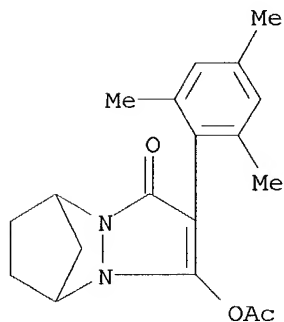
RN 159796-99-3 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-5,8-methano-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI)
(CA INDEX NAME)



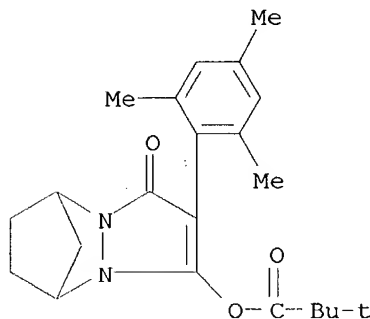
RN 159797-00-9 HCAPLUS

CN 5,8-Methano-1H-pyrazolo[1,2-a]pyridazin-1-one, 3-(acetyloxy)-5,6,7,8-tetrahydro-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



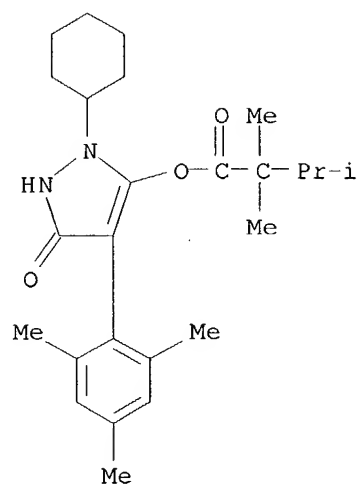
RN 159797-01-0 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-5,8-methano-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



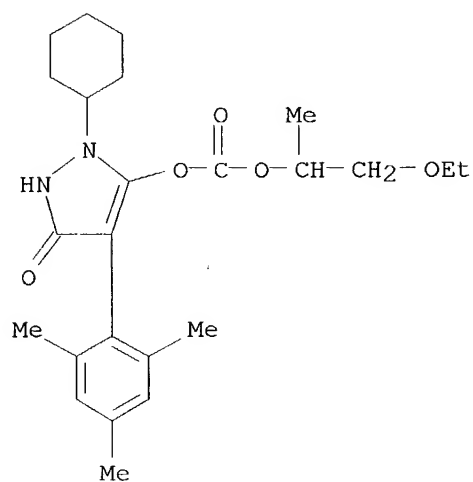
RN 159797-02-1 HCAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 2-cyclohexyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



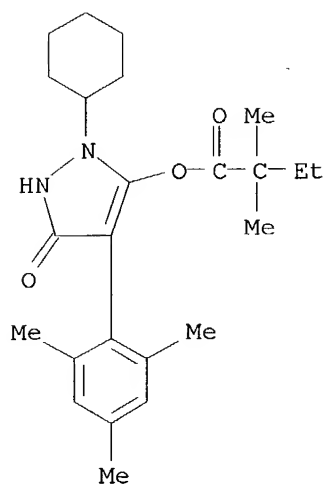
RN 159797-03-2 HCAPLUS

CN Carbonic acid, 2-cyclohexyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl 2-ethoxy-1-methylethyl ester (9CI) (CA INDEX NAME)



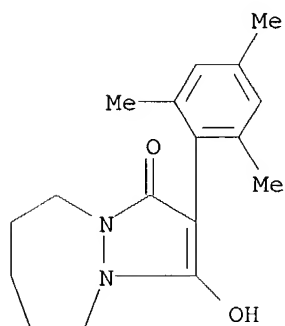
RN 159797-04-3 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, 2-cyclohexyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



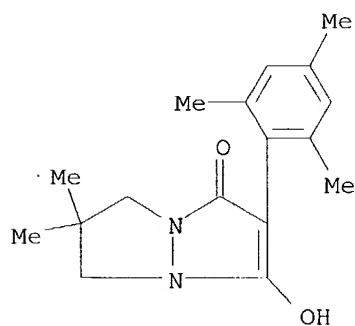
RN 159797-05-4 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 6,7,8,9-tetrahydro-3-hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



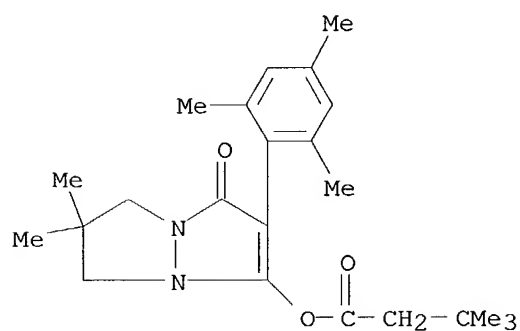
RN 159797-06-5 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 6,7-dihydro-3-hydroxy-6,6-dimethyl-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



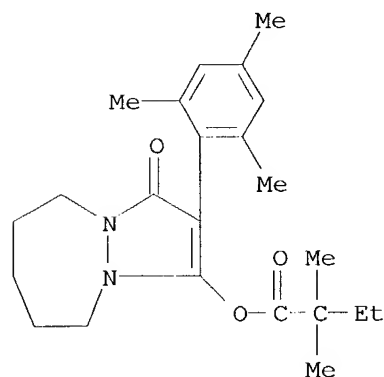
RN 159797-07-6 HCAPLUS

CN Butanoic acid, 3,3-dimethyl-, 6,7-dihydro-6,6-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



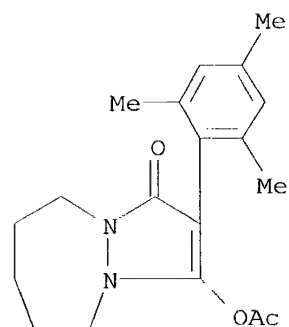
RN 159797-08-7 HCAPLUS

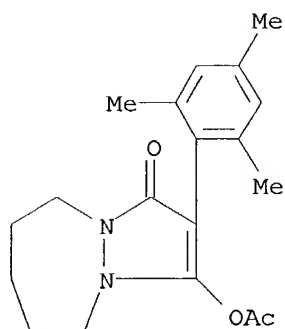
CN Butanoic acid, 2,2-dimethyl-, 6,7,8,9-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a][1,2]diazepin-3-yl ester (9CI) (CA INDEX NAME)



RN 159797-09-8 HCAPLUS

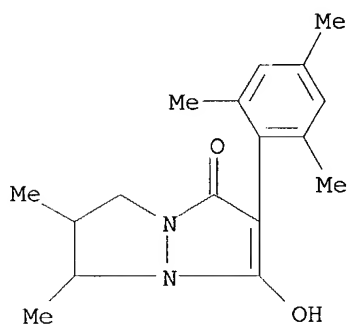
CN 1H,5H-Pyrazolo[1,2-a][1,2]diazepin-1-one, 3-(acetyloxy)-6,7,8,9-tetrahydro-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)





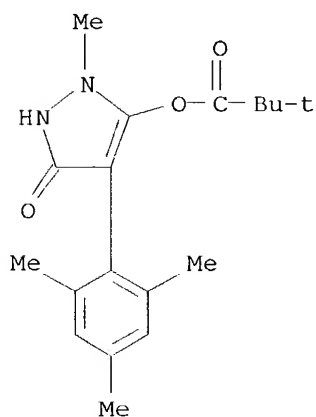
RN 159797-10-1 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 6,7-dihydro-3-hydroxy-5,6-dimethyl-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



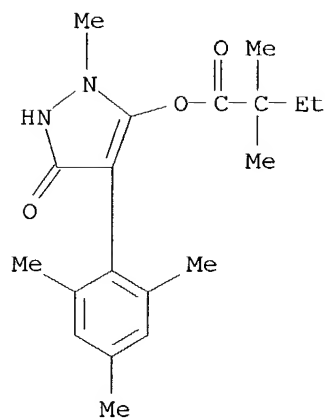
RN 159797-11-2 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



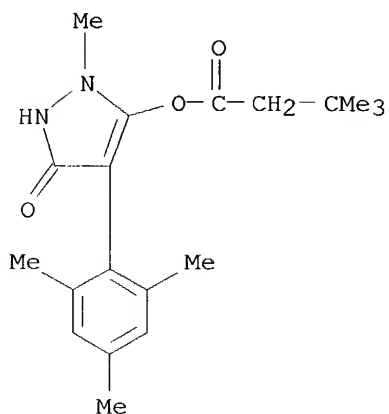
RN 159797-12-3 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, 2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



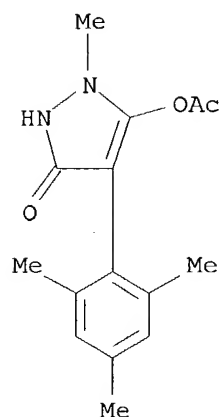
RN 159797-13-4 HCAPLUS

CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrazol-3-yl ester (9CI) (CA INDEX NAME)



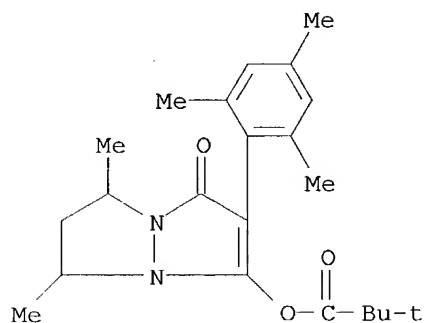
RN 159797-14-5 HCAPLUS

CN 3H-Pyrazol-3-one, 5-(acetyloxy)-1,2-dihydro-1-methyl-4-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



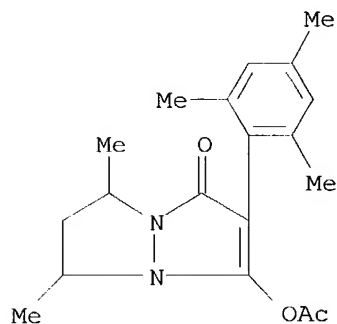
RN 159797-15-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 6,7-dihydro-5,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 159797-16-7 HCAPLUS

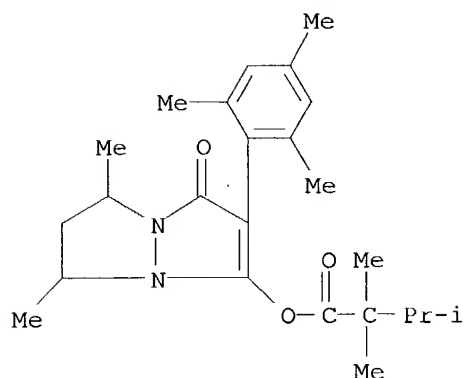
CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 3-(acetyloxy)-6,7-dihydro-5,7-dimethyl-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



RN 159797-17-8 HCAPLUS

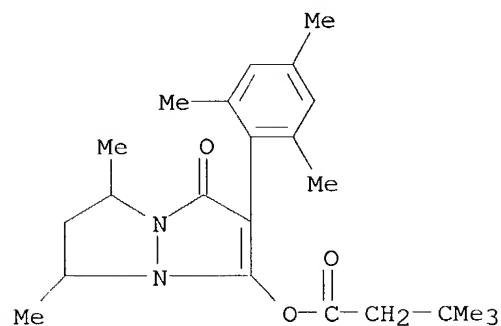
CN Butanoic acid, 2,2,3-trimethyl-, 6,7-dihydro-5,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)

NAME)



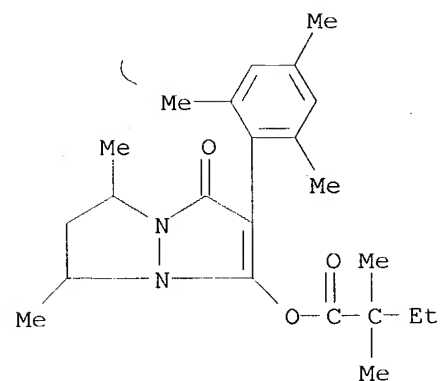
RN 159797-18-9 HCAPLUS

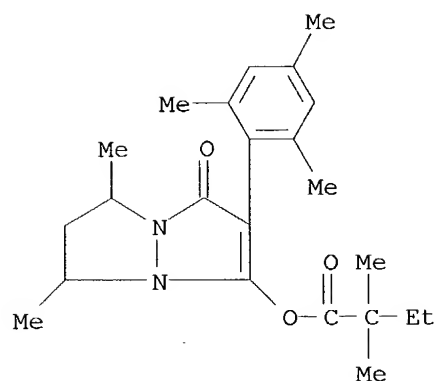
CN Butanoic acid, 3,3-dimethyl-, 6,7-dihydro-5,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 159797-19-0 HCAPLUS

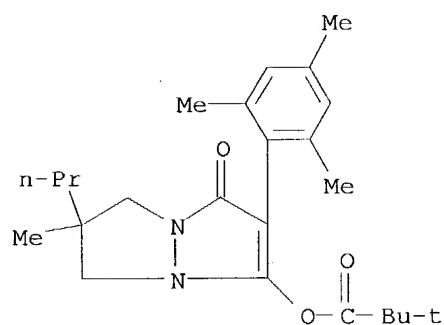
CN Butanoic acid, 2,2-dimethyl-, 6,7-dihydro-5,7-dimethyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)





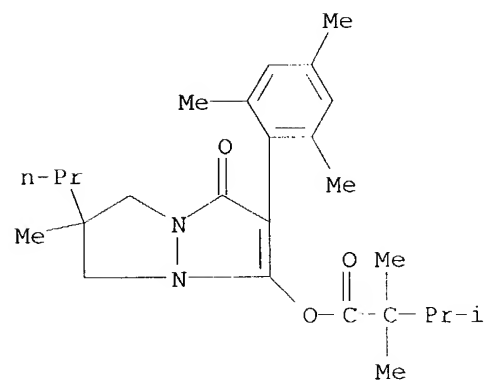
RN 159797-20-3 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 6,7-dihydro-6-methyl-1-oxo-6-propyl-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 159797-21-4 HCAPLUS

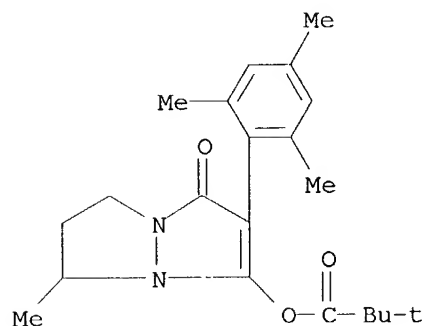
CN Butanoic acid, 2,2,3-trimethyl-, 6,7-dihydro-6-methyl-1-oxo-6-propyl-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 159797-22-5 HCAPLUS

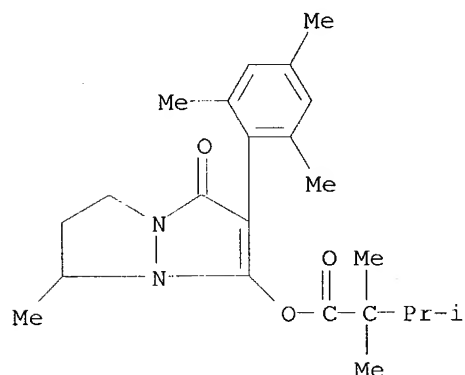
CN Propanoic acid, 2,2-dimethyl-, 6,7-dihydro-5-methyl-1-oxo-2-(2,4,6-

trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 159797-23-6 HCAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 6,7-dihydro-5-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



L19 ANSWER 15 OF 15 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1993:22227 HCAPLUS

DOCUMENT NUMBER: 118:22227

TITLE: 3-Hydroxy-4-aryl-5-oxopyrazoline derivatives, their preparation, and their use as pesticides and herbicides

INVENTOR(S): Krueger, Bernd Wieland; Fischer, Reiner; Bertram, Heinz Juergen; Bretschneider, Thomas; Boehm, Stefan; Krebs, Andreas; Schenke, Thomas; Santel, Hans Joachim; Luerksen, Klaus; et al.

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 45 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4109208	A1	19920924	DE 1991-4109208	19910321
EP 508126	A1	19921014	EP 1992-104044	19920310
EP 508126	B1	19970502		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL				
ES 2101764	T3	19970716	ES 1992-104044	19920310
JP 05117240	A2	19930514	JP 1992-91438	19920318
JP 3100223	B2	20001016		
BR 9200983	A	19921117	BR 1992-983	19920320
US 5332720	A	19940726	US 1992-968888	19921216
US 5358924	A	19941025	US 1992-999058	19921231
US 5474974	A	19951212	US 1994-233911	19940428
US 5661110	A	19970826	US 1995-476171	19950607
US 5739389	A	19980414	US 1996-774469	19961230
US 5780394	A	19980714	US 1997-788715	19970123
US 6221810	B1	20010424	US 1998-52290	19980331
PRIORITY APPLN. INFO.:			DE 1991-4109208	A 19910321
			US 1992-849863	B3 19920312
			US 1992-968888	A2 19921216
			US 1992-999058	A3 19921231
			US 1994-233911	A3 19940428
			US 1995-476171	A3 19950607
			US 1997-788715	A3 19970123
OTHER SOURCE(S): MARPAT 118:22227				
AB	Title compds. I [A, B = H, alkyl, alkenyl, alkynyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, (un)substituted aryl; or AB = (un)satd. (un)substituted (bi- or higher cyclic) bivalent group; X = alkyl, halo, alkoxy; Y = H, alkyl, halo, alkoxy, haloalkyl; Z = alkyl, halo, alkoxy; n = 0-3; G = H, certain (un)substituted acyl, sulfonyl, phosphoryl, and (thio)carbamoyl groups] were prep'd. as pesticides (esp. insecticides and acaricides), herbicides, etc. For example, reaction of mesityl(chlorocarbonyl)ketene (prepn. given) with piperidazine in Et ₂ O contg. Et ₃ N at 50.degree., and treatment of the product in THF with ice-HCl, gave 66% I [AB = (CH ₂) ₄ , X = Y = Me, Zn = 6-Me, G = H]. Various I were superior to the known compd. 3-acetyloxy-2-phenyl-1H-inden-1-one in tests against resistant Tetranychus urticae, Plutella maculipennis, and resistant Lucilia cuprina larvae, and some I showed superior herbicidal activity and crop selectivity.			
IC	ICM C07D487-04 ICS C07D487-08; C07D231-32; C07D231-54; C07F009-6503; A01N043-90; A01N043-56; A01N057-24; A01N057-16; A01N047-18; A01N047-06			
ICI	C07D231-32, C07D247-00; A01N043-90, A01N043-66, A01N047-36, A01N043-707, A01N037-48, A01N043-88, A01N043-58			
CC	28-8 (Heterocyclic Compounds (More Than One Hetero Atom)) Section cross-reference(s): 5			
IT	Acaricides Defoliants Herbicides Insecticides Nematocides Pesticides Plant desiccants (hydroxyaryloxopyrazolines)			
IT	144757-98-2P 144757-99-3P 144758-00-9P 144758-01-0P 144758-02-1P 144758-03-2P 144758-04-3P 144758-05-4P 144758-06-5P			

144758-07-6P 144758-08-7P 144758-09-8P
 144758-10-1P 144758-11-2P 144758-12-3P
 144758-13-4P 144758-14-5P 144758-15-6P
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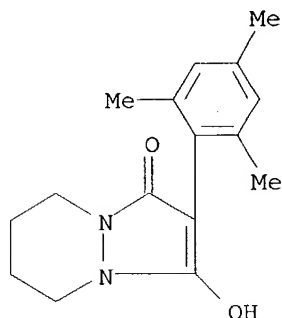
RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as pesticide and herbicide)

IT 144757-98-2P 144757-99-3P 144758-00-9P
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 144758-10-1P 144758-11-2P 144758-12-3P
 144758-13-4P 144758-14-5P 144758-15-6P
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RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as pesticide and herbicide)

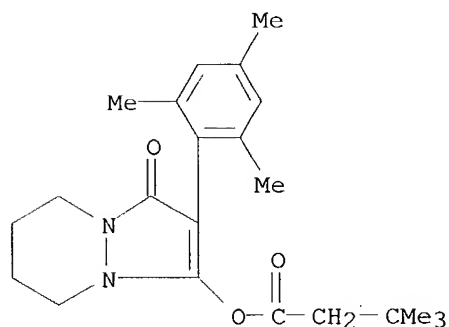
RN 144757-98-2 HCAPLUS

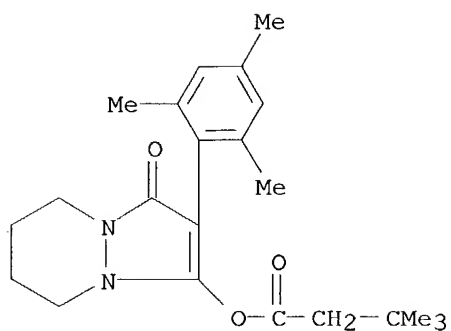
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



RN 144757-99-3 HCAPLUS

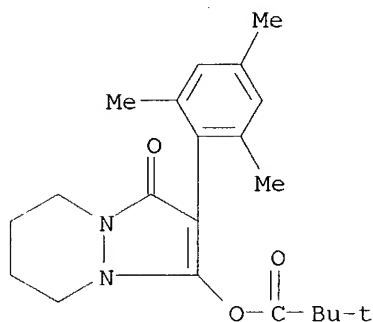
CN Butanoic acid, 3,3-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)





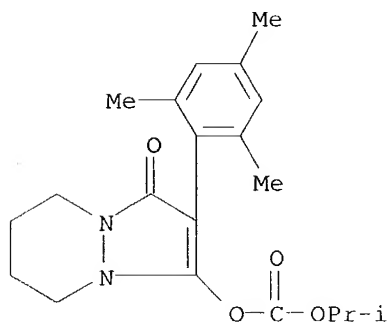
RN 144758-00-9 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



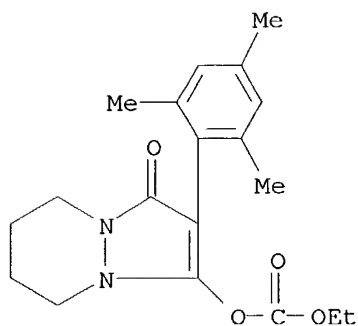
RN 144758-01-0 HCAPLUS

CN Carbonic acid, 1-methylethyl 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

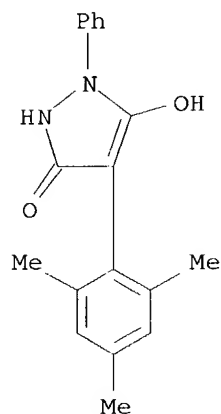


RN 144758-02-1 HCAPLUS

CN Carbonic acid, ethyl 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)

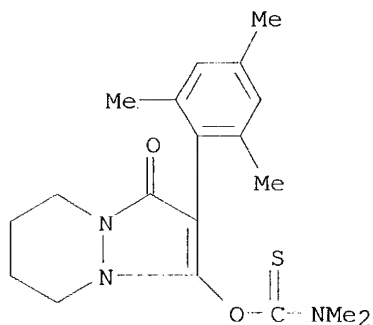


RN 144758-03-2 HCAPLUS

CN 3H-Pyrazol-3-one, 1,2-dihydro-5-hydroxy-1-phenyl-4-(2,4,6-trimethylphenyl)-
(9CI) (CA INDEX NAME)

RN 144758-04-3 HCAPLUS

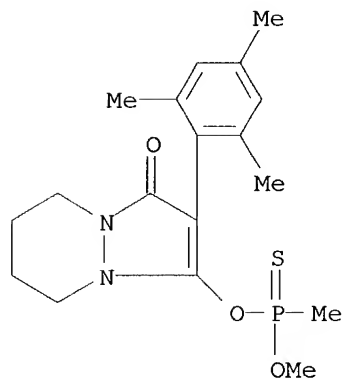
CN Carbamothioic acid, dimethyl-, O-[5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester (9CI) (CA INDEX NAME)



RN 144758-05-4 HCAPLUS

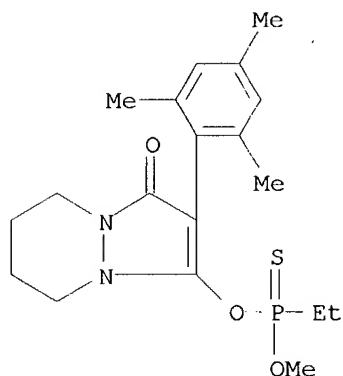
CN Phosphonothioic acid, methyl-, O-methyl O-[5,6,7,8-tetrahydro-1-oxo-2-

(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester (9CI) (CA INDEX NAME)



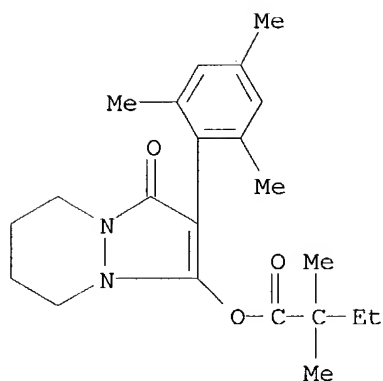
RN 144758-06-5 HCAPLUS

CN Phosphonothioic acid, ethyl-, O-methyl O-[5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester (9CI) (CA INDEX NAME)



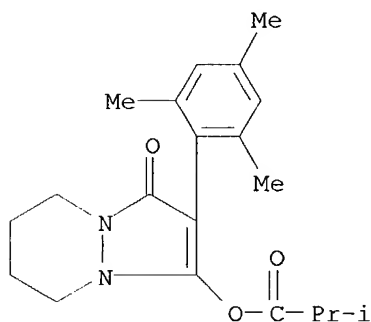
RN 144758-07-6 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



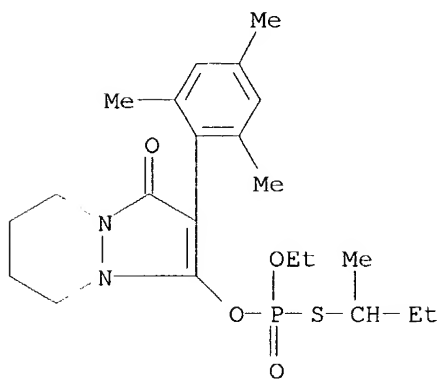
RN 144758-08-7 HCAPLUS

CN Propanoic acid, 2-methyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



RN 144758-09-8 HCAPLUS

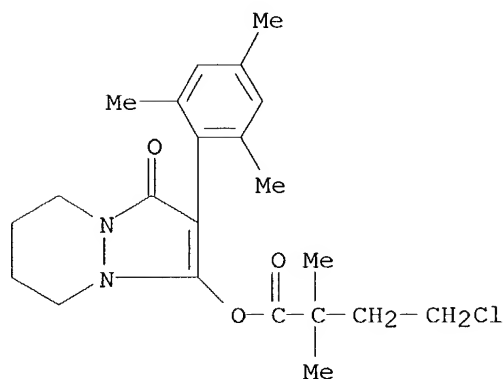
CN Phosphorothioic acid, O-ethyl S-(1-methylpropyl) O-[5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester (9CI) (CA INDEX NAME)



RN 144758-10-1 HCAPLUS

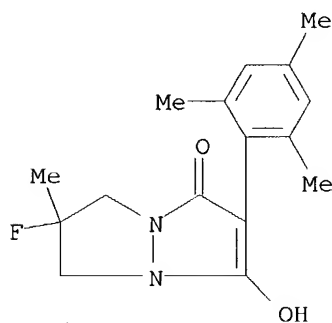
CN Butanoic acid, 4-chloro-2,2-dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-

trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



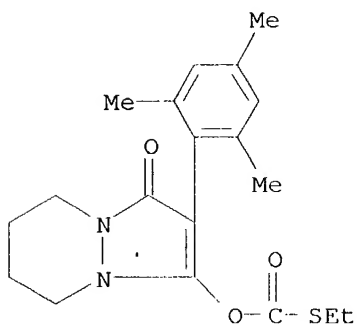
RN 144758-11-2 HCAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 6-fluoro-6,7-dihydro-3-hydroxy-6-methyl-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



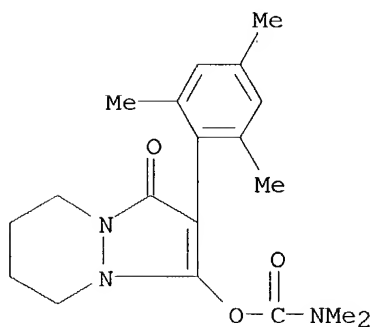
RN 144758-12-3 HCAPLUS

CN Carbonothioic acid, S-ethyl O-[5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl] ester (9CI) (CA INDEX NAME)



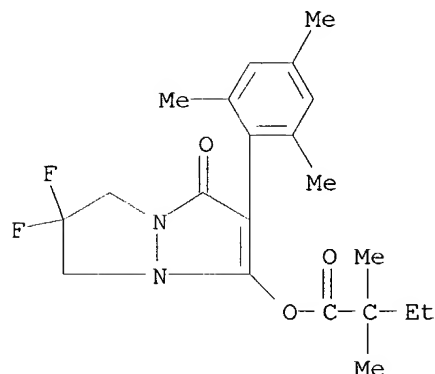
RN 144758-13-4 HCAPLUS

CN Carbamic acid, dimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



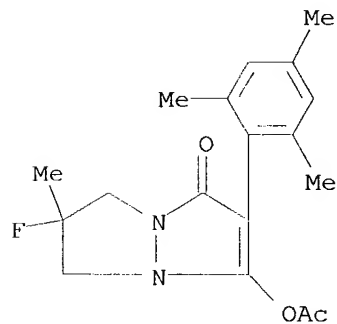
RN 144758-14-5 HCAPLUS

CN Butanoic acid, 2,2-dimethyl-, 6,6-difluoro-6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)

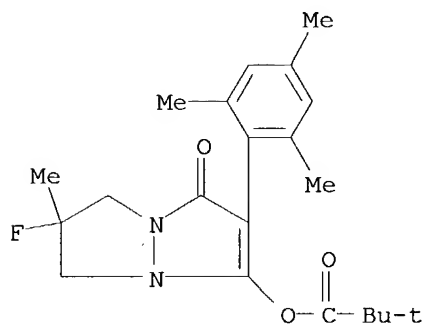


RN 144758-15-6 HCAPLUS

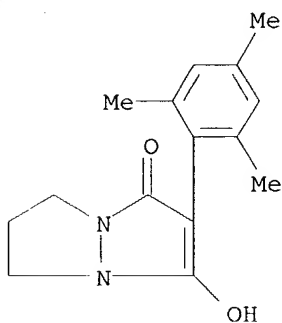
CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 3-(acetyloxy)-6-fluoro-6,7-dihydro-6-methyl-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



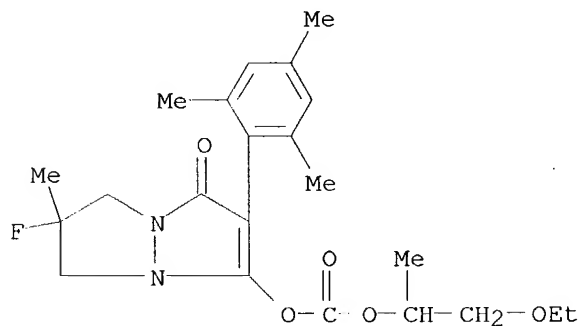
RN 144758-16-7 HCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 6-fluoro-6,7-dihydro-6-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 144758-17-8 HCAPLUS
 CN 1H,5H-Pyrazolo[1,2-a]pyrazol-1-one, 6,7-dihydro-3-hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)

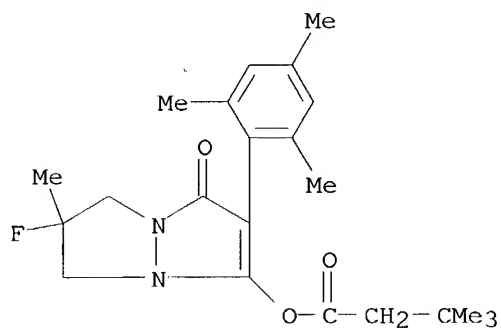


RN 144758-18-9 HCAPLUS
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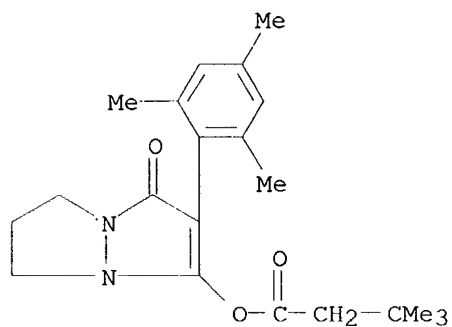
RN 144758-19-0 HCAPLUS

CN Butanoic acid, 3,3-dimethyl-, 6-fluoro-6,7-dihydro-6-methyl-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



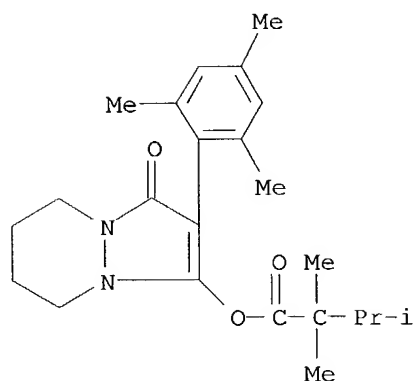
RN 144758-20-3 HCAPLUS

CN Butanoic acid, 3,3-dimethyl-, 6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



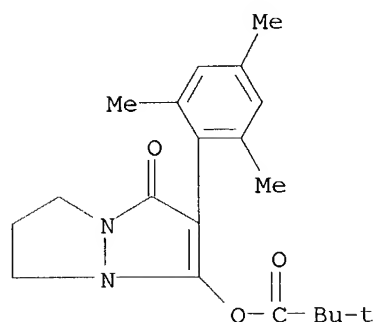
RN 144758-21-4 HCAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 5,6,7,8-tetrahydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (9CI) (CA INDEX NAME)



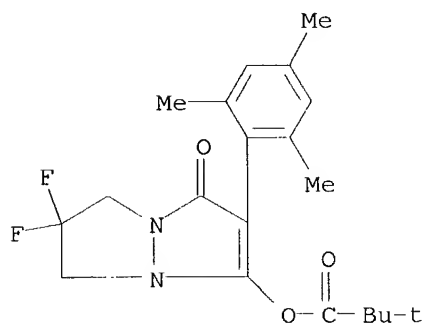
RN 144758-22-5 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



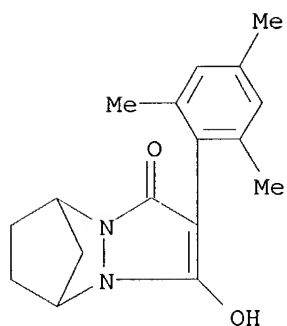
RN 144758-23-6 HCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 6,6-difluoro-6,7-dihydro-1-oxo-2-(2,4,6-trimethylphenyl)-1H,5H-pyrazolo[1,2-a]pyrazol-3-yl ester (9CI) (CA INDEX NAME)



RN 144758-24-7 HCAPLUS

CN 5,8-Methano-1H-pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-hydroxy-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)



RN 144758-25-8 HCAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 5,6,7,8-tetrahydro-3-
[(methylsulfonyl)oxy]-2-(2,4,6-trimethylphenyl)- (9CI) (CA INDEX NAME)